

Shiromani Gurudwara Prabandhak Committee's
Guru Nanak



Khalsa College

of

**Arts, Science & Commerce
(Autonomous)**

Affiliated to University of Mumbai

Accredited by NAAC (Third Cycle) with 'A' Grade with CGPA of 3.54



**Prospectus
2024-25**



ਦੇਹ ਸਿਵਾ ਬਰੁ ਮੋਹਿ ਇਹੈ ਸੁਭ ਕਰਮਨ ਤੇ ਕਬਹੂੰ ਨ ਟਰੋਂ ॥
ਨ ਡਰੋਂ ਅਰਿ ਸੇ ਜਬ ਜਾਇ ਲਰੋਂ ਨਿਸਚੈ ਕਰਿ ਅਪੁਨੀ ਜੀਤ ਕਰੋਂ ॥
ਅਰੁ ਸਿਖ ਹੋਂ ਆਪਨੇ ਹੀ ਮਨ ਕੋ ਇਹ ਲਾਲਚ ਹਉ ਗੁਨ ਤਉ ਉਚਰੋਂ ॥
ਜਬ ਆਵ ਕੀ ਅਉਧ ਨਿਦਾਨ ਬਨੈ ਅਤਿ ਹੀ ਰਨ ਮੈ ਤਬ ਜੂਝ ਮਰੋਂ ॥੨੩੧॥

Deh siva bar mohe eh-hey subh karman te kabhu na taro ॥
Na daro arr seo jab jaye laro nischey kar apni jit karo ॥
Arr Sikh ho apne he mann ko, eh laalach hou gun tau ucharo ॥
Jab aav ki audh nidan bane att he rann me tabh joojh maro ॥੨੩੧॥

ਦੇਹ ਸਿਵਾ ਬਰ ਮੋਹੇ ਈਹੇ, ਸੁਖ ਕਰਮਨ ਤੇ ਕਬੁੰ ਨ ਟਰੁੰ ॥
ਨ ਡਰੋਂ ਅਰਿ ਸੈਂ ਜਬ ਜਾਯ ਲਡੀਂ, ਨਿਸ਼ਚਯ ਕਰ ਅਪਨੀ ਜੀਤ ਕਰੀਂ ॥
ਅਰੁ ਸਿਖ ਹੋਂ ਆਪਨੇ ਹੀ ਮਨ ਕੋ ਇਹ ਲਾਲਚ ਹਤ ਗੁਨ ਤਤ ਉਚਰੀਂ ॥
ਜਬ ਆਵ ਕੀ ਅਉਧ ਨਿਦਾਨ ਬਨੈ ਅਤਿ ਹੀ ਰਨ ਮੈ ਤਬ ਜੂਝ ਮਰੀਂ ॥੨੩੧॥

*Dear God, grant my request so that I may never deviate from
doing good deeds.*

*That, I shall have no fear of the enemy when I go into battle and
with determination I will be victorious.*

That, I may teach my mind to only sing your praises.

*And when the time comes, I should die fighting heroically on the
field of battle ॥231॥*

~ Sri Guru Gobind Singh Ji

Vision

To emerge as a Centre of Excellence in Higher Education

Mission

To create strong analytical minds with scientific temper, fostering global competencies through the spirit of humanism thereby bringing about holistic development of the students by remaining in sync with the teachings of Guru Nanak.

Quality Policy

To attain excellence in all our endeavors namely teaching, research and continuing education, adopt self-evaluation as a measure for continuous improvement and ensure accountability .

Contents

- 1. Chairman's Message**
- 2. Campus Directors Message**
- 3. Principal's Message**
- 4. CDC List**
- 5. About the College**
- 6. Highlights**
- 7. Famous Alumni**
- 8. Code of Conduct**
- 9. Courses**
 - a. Jr. College**
 - b. Degree College**
- 10. Admission Process/Eligibility Criteria**
 - a. Jr College**
 - b. UG**
 - c. PG**
 - d. PhD**
- 11. Co-Curricular and Extra-Curricular**
- 12. Scholarship and Freeships**
- 13. Addendum**
- 14. Facilities**
- 15. Forms**





From the Chairman's Desk

SARDAR GURINDER SINGH BAWA



“Truth is high but higher still is truthful living.”

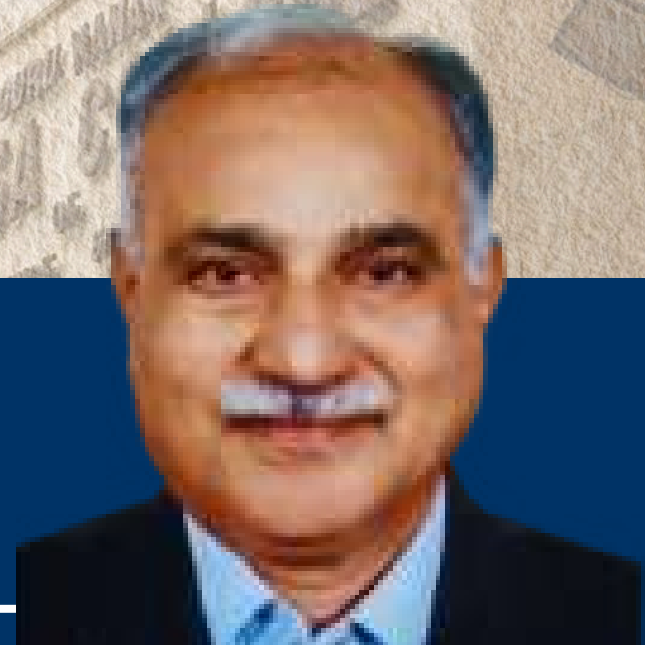
Quote from- Shri Guru Granth Sahib

With the aim of imparting substantial societal obligation towards education, I promise to gift the society with compassionate youth who will not only dream big but take action to become the ambassadors of the community.

With the new policy of NEP, we envision to align our entire teaching as per current requirements keeping Indian ethos in mind. Continuous efforts of the teaching and non-teaching department have been taken forth by enhancing the preaching and teachings of our Gurus as we are promoting in our college equality and fostering a sense of community and service in the minds of the students. I take immense pride in their accomplishments.

I am pleased to share with all of you that today, our College, in the field of Sports, ranks at the top in the University of Mumbai. Our college has produced some of the best players of the Country. I am grateful to the staff that are working tirelessly behind the students' progression.

I wish them all success. May all our students soar high in uncharted skies and bring glory to the world and their profession with the wings of education



Message from Campus Director

Dr. Kiran Mangaonkar

To strive, to seek, to find and not to yield'

- From the poem 'Ulysses' by Alfred Lord Tennyson

I feel proud to introduce Guru Nanak Khalsa College, dedicated to the holistic growth and development of students who are looking for excellent career prospects. The wisdom comes through skills like learning the importance and significance of problem-solving, decision-making, and needs for goal setting. These tools will be an aid to students in every situation they face throughout their lives.

Our faculty members are well committed to bringing out the potential within every student by providing them with essential grooming, mainly to shape them into future managers capable of facing all kinds of challenges in the corporate world.

GNKC is making enormous efforts to impart professional communication skills, critical thinking abilities, and entrepreneurial abilities among the students. The institute provides state-of-the-art infrastructure keeping pace with the technological advances. It also provides a strong research culture and placement cell which is the need of the hour.

I am sure in the future, GNKC will be one of the top colleges in the country.



From the Management Desk

We in Guru Nanak Khalsa college mould the Future of our students for their betterment. The institute plays a significant role in making every student a role model, a path breaker and risk-taking young talent, whom the leading and reputable enterprises willingly absorb. As an Autonomous institute we nurtures multiple courses with efficiency. The esteemed G.N Khalsa College, has earned veneration in the city of Mumbai by consistently growing in various domains. The realm of education, sports, cultural India tour and societal activities has flourished significantly within college's confines.

Under the guidance of our Chairman, Sardar Gurinder Singh Bawa, a self-effacing visionary leader, whose name inspires respect, admiration and awe in people from different fields, I can say he has played a crucial role in establishing a cohesive management team. The institute, led by an efficient Principal, who has prepared cohesive curriculum with the help dynamic faculties has effectively addressed the changing market dynamics. The teaching methodology here can be compared to planting seeds of knowledge in the fertile minds of students, ensuring their comprehensive development

The college's infrastructure accomplishments are dedicated to fostering the comprehensive growth of students, enabling them to confront real-world challenges with confidence. This concerted effort aligns with the institutions objective of nurturing students in a well-rounded manner. By embracing professionalisms, students can ardently pursue their aspirations and bring honour to the college.

I Wish Good Luck to all of you...



Dr.(Mrs.) Jasbir Kaur Makkar



From the Principal's Desk

"Real education enhances the dignity of a human being and increases his or her self-respect. If only the real sense of education could be realized by each individual and carried forward in every field of human activity, the world will be so much a better place to live in."

APJ Abdul Kalam has rightly said, and I completely believe that education is not just a resource for imparting knowledge, it creates and augments the overall personality of an individual. From its inception Guru Nanak Khalsa College has imbibed on the teachings of Guru Nanak Devji and the dream of Baba Saheb Ambedkar and has walked the way with extreme zeal and motivation. Recently, with the introduction and implementation of the National Education Policy 2020 (NEP) there has been significant changes in the Indian education system which will augment holistic changes and multidisciplinary skill enhancement. The Indian Knowledge System has been an integral part of our institution from the time of its commencement and now this traditional culture will be enriched with the implementation of the new education system. It will undoubtedly enhance cultural heritage, thus creating a positive impact on the progression of the society.

I am happy and proud to mention that our college, which is affiliated to the University of Mumbai, has acquired the Autonomous status, and accredited by NAAC with 'A+' grade and a CGPA of 3.54. I feel pleased and honored to acknowledge that our college has not only achieved excellence in sports but also received various academic grants like RUSA, CPE, FIST and have been awarded with STAR College status. With the motto of empowering our institution further, I believe that students can improve their industry-academia qualifications by working under these schemes and taking guidance from our highly qualified staff. We have good infrastructure facilities as well as excellent research culture in our institution which will benefit the students. New courses, innovative assignments, seminars and workshops, various tie-ups with industry and academia and different projects are all lined up for the advantage of the students and the enrichment of the college. Wishing everyone a prosperous and promising future – we continue the journey of excellence.



Prof. Dr. Ratna Sharma

COLLEGE DEVELOPMENT COMMITTEE

CONSTITUTED UNDER THE MAHARASHTRA PUBLIC UNIVERSITIES ACT 2016

<u>Sr. No..</u>	<u>NAME</u>	<u>DESIGNATION</u>
1	Sardar Gurinder Singh Bawa	Chairman
2	Dr. Harvinder Pal Timmy Mehta	Vice-Chairman
3	S.Harpal Singh Bhatia	Member
4	Sardar Parampreet Singh Bhatia	Member
5	Dr.(Mrs.) Jasbir Kaur Makkar	Member
6	Dr. Kiran Mangaonkar	Member
7	Dr.(Mrs) Ajitha Rani	Head of Departments nominated by Principal
8	Dr.(Mrs.) Aparna Dubashi	IQAC Coordinator
9	Dr. Manoj Mishra	Elected Representative of Teaching staff
10	Dr.(Mrs.) Harmeet Kaur	Elected Representative of Teaching staff
11	Dr.(Mrs.) Mithu Bhattacharya	Elected Representative of Teaching staff
12	Mr. Harshal Rane	Elected Representative of Non-Teaching staff
13	Dr.(Mrs.) Ratna Sharma	Principal & Member Secretary

SCHOOL COMMITTEE (JUNIOR COLLEGE)

<u>SR. NO.</u>	<u>NAME</u>	<u>DESIGNATION</u>
1	S. Gurinder Singh Bawa	Chairman
2	S. Raghbir Singh Gill	Member
3	S. Kulwant Singh	Member
4	S. Manmohan Singh Ratti	Member
5	S. Sukhwinder Singh Radhawa	Member
6	S. Jaspal Singh Sidhu	Member
7	Vice-Principal Ms. Sangita Bevli	Member
8	Principal Dr. Ratna Sharma	Member



ABOUT THE COLLEGE

- **Shiromoni Gurdwara Prabandhak Committee's (SGPC) Guru Nanak Khalsa College (Autonomous)** is a minority institution affiliated to Mumbai University with a NAAC accreditation of A grade and a CGPA of 3.54. Established in 1937, on the recommendation and vision of the eminent social reformer and architect of the Indian Constitution, Bharat Ratna Dr. Babasaheb Ambedkar, it is one of the oldest colleges in the city of Mumbai and the first college to be established by the Community outside Punjab. Accorded with the UGC recognition under 2f in 1974, the college is ideally located in the heart of an education zone, amalgamating the essence of learning and the spirit of sports.
- The College comprises the Degree College (autonomous since 2019) affiliated to Mumbai University and the Junior College affiliated to the Maharashtra State Board of Secondary and Higher Secondary Education.
- In response to the paradigm shift in higher education, the College has implemented NEP 2020 from the academic year 2023-24. The institute is geared towards innovative academic pedagogies through co-curricular and extracurricular activities, acquiring of practical knowledge through internships, skill-based courses, workshops, and credit courses. The institute provides state of art facilities and congenial environment for learning and research through PhD programs.
- **GNIRD (Guru Nanak Institute of Research & Development)** is a centralized facility for research, forging alliance the industry for collaborative research. NFB (National Facility for Biopharmaceuticals) which was established in 2012 with DST funding, has been offering efficient and effective training solutions in the field of molecular biology.
- The college has state of art Gymnasium, huge Sports Ground, an International Rifle Shooting Range, Sports equipment of Olympics standard and Taekwondo Hall. NCC, NSS and Natyashray are other facilities where students hone their talents.
- Being a Sikh minority college, the College has an in-house Gurdwara to nurture the values of Guru Nanak Devji. The College, however, retains its secular outlook as it firmly believes in the Sikh ideology of Oneness of Humanity and prides itself on its cosmopolitan staff and diverse student population.
- The academic year commences with prayer in the Gurudwara followed by 'Guru Ka Langar' in which all the students and teachers partake, creating a sense of harmony.



**College with recognition as
Scientific and Industrial
Research Organization
(SIRO), by Dept of Science &
Technology (DST),
Govt. of India**



Prospectus 2024 - 25

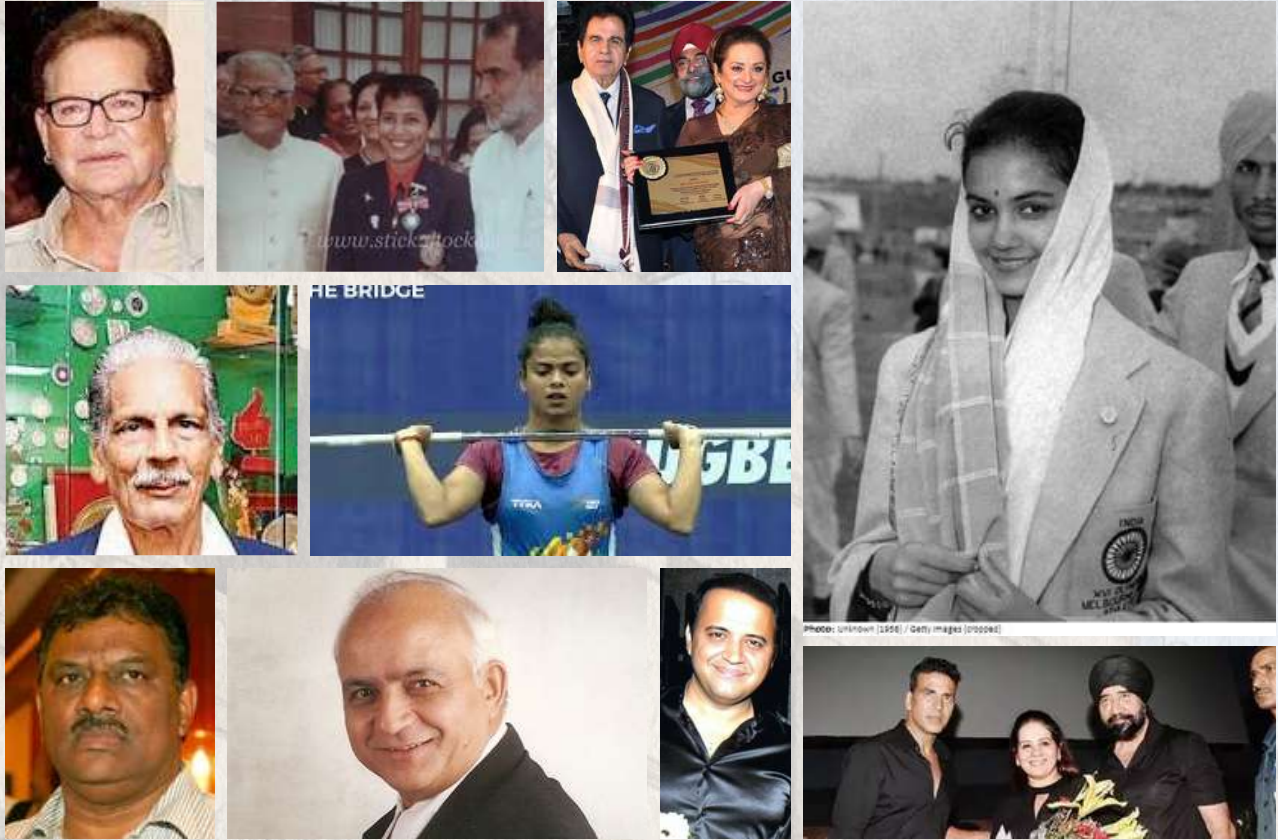
**Guru Nanak Khalsa College of Arts, Science & Commerce
(Autonomous)**

HIGHLIGHTS

- Sporting excellence is reflected through the attainment of **1 Padmashri, 2 Arjuna Awards**, and **16 Shiv Chhatrapati Awards** as well as **10 Olympians**.
- Recipient of the **Best College Award 2012** by the University of Mumbai in.
- Awarded **FIST Grant by DST**, Govt. of India in 2014
- Awarded **STAR** College Grant by the Department of Biotechnology (DBT), RUSA Grant and also CPE Grant from Govt.of India in 2015
- Experienced 3 cycles of NAAC and received A grade with **CGPA 3.54** in 2017.
- Autonomous Status by University Grants Commission (UGC) in December, 2018 which was implemented from the academic year 2019-20 onwards
- Recognized as College with Potential for Excellence
- Only College in Mumbai with recognition as Scientific and Industrial Research Organization (SIRO), by Dept of Science & Technology (DST), Govt. of India
- Creation of National Facility for Biopharmaceuticals (NFB), with funding of Rs. 3.45 Crores from DST, Govt. of India
- NFB has signed an MOU with STEMMED INDIA for research on Dental Stem Cells.
- Recipient of Best NSS Unit Award from University of Mumbai
- Recipient of Best NSS Program Officer Award from University of Mumbai.
- Participation in Republic Day parade (New Delhi) 2024 by Ms. Maithili Manjrekar.
- Recipient of campus ambassador for TISS E-cell to Ms. Snehal Tiwari
- Recipient of IWSA award by students of M Sc.
- Recipient of first prize in state-level Natyaspardha by Natyashray group.
- Excellent research credentials –
 - 39 Research Guides
 - 65 students enrolled for PhD till date
 - Received around Rs 3 crore research grants for 12 Major Research Projects and 90 Minor research projects from various agencies like UGC, DBT, DST, and the University of Mumbai
 - International research collaboration with agencies like Ozo-innovations UK, Department of Biotechnology- Govt of India, Newton Bhabha, Jain Farm Fresh, and University of Napier, Edinburgh (total project cost amounting to two million sterling pounds).
 - More than 300 publications including books, 150 papers in international journals with Scopus indexing
 - Recognition of students' research findings with gold and silver medals at the State level in the Inter-University Research Competition 'Avishkar'.
 - 02 patents awarded
- Established a Sikh Heritage Museum through the CPE funds received from UGC
- Established an Entrepreneurship and Skill Development Cell funded by RUSA



A FEW FAMOUS ALUMNI...



The college has produced famous personalities in various fields including academicians like the former Vice-Chancellor of Mumbai University Ram Joshi. The college has also produced many famous Sports personalities, Indian Hockey team members, Olympians, Arjuna award winners and Padmashris.

The following Khalsites have represented India in the Olympics:

- S. S. Narayan (Football)
- Mary Leela Rao (Athletics)
- Balbir Singh (Hockey)
- Selma D'Silva (Hockey) Padmashri
- Lorraine Fernandes (Hockey) Arjuna Award
- Joaquim Carvalho (Hockey) Arjuna Award
- Marcellus Gomes (Hockey)
- Mark Patterson (Hockey)
- Jude Menezes (Hockey)
- Adrian D'Souza
- Gavin Ferreira and many more.

Cinema personalities who studied at Khalsa College include Dilip Kumar (Bollywood Actor) Ramesh Talwar (director), Kuldeep Singh (composer), Salim Khan (screenwriter), and Akshay Kumar (Bollywood actor), Mandar Chandwadkar (popular TV Serial actor).



CODE OF CONDUCT

ATTENDANCE

The students should have a minimum of 75% attendance to be eligible to appear for the internal as well as semester end examinations as per University of Mumbai Ordinance O.6086.

Students should attend all lectures, tutorials, seminars, practicals and college examinations according to the time-table. Students remaining absent should submit a leave note signed by their parents/guardian stating reasons for their absenteeism. Absenteeism over three days should be immediately brought to the notice of the Principal.

RAGGING

Ragging is prohibited under the Maharashtra State Act of 1999 within or outside of education premises and any act by participant is punishable. **RAGGING IS BANNED** as per the Supreme Court Ruling (Civil Appeal No. 887 of 2009) and Mumbai University Circular (No. CONCOL/ 286, dated 23rd July 2009) .

Ragging would be met with exemplary punishment.

Any student found guilty of ragging would be expelled from the College.

Any student found guilty of ragging earlier would not be admitted.

Anti ragging squad is formed by the college. Tel. Number:

Internal Complaints Committee (ICC)

In accordance with the 'Sexual Harassment of women at workplace (Prevention, Prohibition and Redressal) Act', 2013, the College has a policy of zero tolerance to sexual harassment. The Committee ensures the successful and effective implementation of the process of preventing sexual harassment at workplace, and addresses the grievances related to sexual harassment in a time bound manner.

The College has a **zero tolerance policy** towards gender based harassment Tel. Number:



Unfair Means

- The use of unfair means by students at any examination or in college campus will invite severe punitive and disciplinary action under the rules and regulations now in force.

GENERAL CONDUCT

- Every Sikh student who is admitted to the College is required to wear a proper turban.
- No admission form will be accepted without the student's photograph in a proper turban
- The student will be liable for strict disciplinary action amounting to dismissal from the College, if the Sikh culture is defiled in any way.
- Wearing an ID-Card on campus is compulsory. It is obligatory for students to return their identity cards to the college office when they cease to be students of the college.
- Caution Money will be refunded as per the refund policy of the institute only after returning the ID-Card
- Students will not be allowed in the Examination Hall without a valid Identity Card.
- Any grievance regarding academic matters should be first brought to the notice of the Head of Department or the Vice-Principal before meeting the Principal.
- Access will not be allowed into lectures, computer labs, seminars after the start of the session. Late comers will be refused entry and should leave immediately, if requested.
- Misuse or damage to any learning materials including collar mikes, computers, sound systems or LCD Projectors, furniture, fittings, or any other property belonging to the institute will not be tolerated and will lead to disciplinary action and shall be liable to pay fine as applicable.
- Library books and Cards should be returned as per the Library policy.
- Read notice board and visit college website regularly for latest updates to be well informed at all times
- Comply with all important dates provided by the examination section without fail.



- Provide faculty teaching feedback unbiased and fearlessly to facilitate positive changes in teaching/training system and help to improve its efficiency and effectiveness.
- Participate in departmental and institutional activities/ programmes individually and in groups to enhance learning and help to increase the brand value of the Institute.
- Encourage and share best practices and innovations at all levels to set new standards and benchmarks for the Institute.
- Do not use cell phones within the Classroom & Labs.
- Associations/Organizations will be formed only with the prior permission of the Principal.
- Collecting funds for any purpose is strictly prohibited unless scrutinised and permitted by the Principal.
- No meeting, demonstration party or picnic will be permitted without prior permission from the Principal and undertaking from students.
- For inviting a person to preside / address/ participate in association / organization / visits etc, prior permission of the Principal is necessary. Subjects / topics selected for debates / lectures / seminars etc. must have the previous approval of the Principal.
- No Fresher's party / Farewell party shall be allowed without prior permission of the Principal (College authorities will not take up the responsibility for the functions held outside the college Campus.) .
- Consumption of alcohol, tobacco, drugs, cigarettes and smoking is prohibited in the institute. Students should refrain from visiting smoking joints in the vicinity of the campus.
- Students should not bring with them unauthorised persons into the college premises.
- Be vigilant and report any incident that needs immediate attention and corrective action.
- Any illegal activity within the college premises is strictly prohibited
- Students are liable to be removed from the college for misconduct or any other serious breach of discipline.

DRESS CODE

- Formal and decent dress code should be maintained.
- Students are expected to wear clothes that contribute to the academic atmosphere necessary on an Indian College campus. Accordingly, sleeveless or short tops as well as short dresses, short and ripped jeans are considered inappropriate.

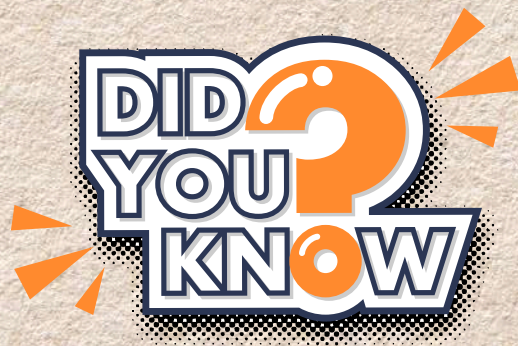
Matters not covered by the existing rules will rest at the discretion of the Principal.



Information for Student Service Counters in General

Contact the Enquiry counter or check the website for the information regarding the following(Aided & Unaided Section).

- Railway Concession, Bonafide Certificate, No Objection Certificate,.
- Results of UG and PG. Verification of marks & documents, Revaluation forms, Photocopy forms of Degree College, Transcript, Migration of Degree College. Issue of Examination forms, marksheet, Issue of Convocation Inward Letters, applications, Acceptance of all fees,
- All Scholarships of Degree & Junior College to Reserve Category, PTC, SST, Non-Teaching, Phy. Handicapped, Ex-Serviceman, etc.
- Junior College: Issue of XII Std. Marksheet & Passing Certificate, Verification of Jr. College Marksheet, Leaving Certificate & other relevant documents, XI & XII Examination Forms, Revaluation T.C.



Our College Sporting excellence reflected in
1 Padmashri,
2 Arjuna awardees,
10 Olympians
17 Shiv Chhatrapati awardees



CURRICULA

Core-Curriculum

The College comprises both the **Junior and Degree College**. The **Degree College is an Autonomous institution**, affiliated to the University of Mumbai and the College **offers**, in addition to **Arts, Science and Commerce streams (Aided & Self Financing)**, **vocational and self-financing courses viz. Minimum Competency Vocational Course (MCVC), Computer science in the Junior College.**

Rules of Admission

Admission is granted solely on merit as per University/ Government rules. Seats are reserved for the Sikh Minority community as per rules.

Outstanding sports persons and children of defense / ex defense personnel and from the handicapped category are given weightage. A special provision is made to enroll students from the developing countries of Asia and Africa.

As per university norms vide Circular no. Aff./ICC/ (201718)/18/of 2018 two seats under Supernumerary Quota for students from Jammu & Kashmir are reserved.

Junior College

Eligibility Norms for ADMISSION TO JUNIOR COLLEGE:

After declaration of SSC result the State Government decides the schedule for admission to FYJC (XI) std and accordingly allot seats by the government through online process as per the norms from time to time.

Based on the allotment of seats by the state government, the student should visit college website www.gnkhalsa.edu.in for filling up of college admission form through online. After filling in the online admission form the student has to take the printout of the form and submit it to the college along with the following for the confirmation of admission by payment of admission fee.

FOR GIRL FREE STUDENTSHIP: - Girl students are exempted from payment of certain fees by the State Government. To avail these benefits the Girl students are required to submit the Declaration Form along with ration card copy.



Documents Required along with the print out of the college admission form.

For Home Board i.e. Maharashtra State Board	For Other Boards viz. CBSE/ICSC/Other State Boards
1. SSC Mark-sheet – Xerox 2. School Leaving Certificate –in Original 3. Online Registration Form –in Original 4. Aadhar Card Photocopy 5. For Girls: Ration Card Photocopy + Declaration form duly filled in.	1. Eligibility Application form duly filled 2. Deed of Undertaking on Rs. 100/- Stamp Paper 3. Mark-sheet –Original 4. Passing Certificate –Original 5. Migration Certificate issued by the previous Board 6. Leaving Certificate / Transfer Certificate duly countersigned by the appropriate education authority. 7. Aadhar Card Photocopy For Girls: Ration Card Photocopy + Declaration form duly filled in.

Courses offered at Junior College.

STREAM	SUBJECTS	STREAM	SUBJECTS
Arts	<ul style="list-style-type: none"> • English • Environmental Education Any One of the following <ul style="list-style-type: none"> • Hindi • Marathi • Punjabi • French Optional Subjects: Any four of the following <ul style="list-style-type: none"> • History • Political science • Economics • Logic • Sociology • Hindi (if not offered as compulsory language) 	Science	<ul style="list-style-type: none"> • English • Environmental Education Any One of the following <ul style="list-style-type: none"> • Hindi • Marathi • Punjabi • French Compulsory subject <ul style="list-style-type: none"> • Physics • Chemistry • Mathematics • Biology • Economics • Sociology In the place of Mathematics / Biology These optional subjects will be available only on permission granted by the college.



STREAM	SUBJECTS	STREAM	SUBJECTS
Commerce	<ul style="list-style-type: none"> • English • Environmental Education Any One of the following <ul style="list-style-type: none"> • Hindi • Marathi • Punjabi • French Other Subjects: <ul style="list-style-type: none"> • Organization of Commerce • Book-Keeping • Economics • Mathematics & Statistics Or • Secretarial Practice (limited seats) 	Bifocal Electronics/ Bifocal Computer Science	<ul style="list-style-type: none"> • English • Environmental Education • Health and Physical Education • Physics • Chemistry • Mathematics • Bifocal Computer Science • Or • Bifocal Electronics
		M.C.V.C. (Minimum Competency Vocational Course)	<ul style="list-style-type: none"> • English • Environmental Education • Health and Physical Education (ANY ONE OF THE FOLLOWING) • Hindi • Marathi • Punjabi • French OTHER SUBJECTS • General Foundation Course • Electronics Technology-I, II & III



COURSES OFFERED

1. Degree College (Aided Courses) B.A. / B.Sc. / B.Com

Eligibility Criteria

(Refer to University of Mumbai website -www.mu.ac.in for eligibility and Ordinances regarding courses)

First Year:

Qualifying Examination on Required: SYJC Examination of MSBSHSE or any other examination on recognized as equivalent thereto as per eligibility norms presented by Mumbai University on their website www.mu.ac.in.

Documents required: As per the notification on of the University of Mumbai. Students from other institutions will be required to submit their leaving/ transfer certificate/ NOC.

Those passing the first year of any other Board /University have to submit the 'PROVISIONAL ELIGIBILITY CERTIFICATE' from the University of Mumbai. Final Eligibility Certificate is to be submitted by the end of first term.

Second Year:

A student of First Year Arts and First Year Commerce is eligible to take admission in SY (Semester III) if he/she has cleared all the courses of Semester I and Semester II or has failed in not more than four Courses in Semester I and Semester II taken together. (However, the student should not fail in more than two Courses In Each Semester)

A student of FY Science is eligible to take admission in SY (Semester III) if he has cleared all the courses of Semester I and Semester II or has failed in not more than six Courses in Semester I and Semester II taken together but has failed in not more than three Courses in each Semester.

The students who have cleared the first year ATKT examination are also eligible for admission to the second year as per University norms.

Documents Required: Original and a tested photocopy of the SYJC and First Year (Both Semesters or ATKT) marksheets and proof of residence (Aadhar Card)

Third Year:

Should have cleared First Year and Second Year Examination on of the University of Mumbai or any examination on recognized as equivalent thereto. (The rules of ATKT in force, if any, will be applicable)

Documents required: Original and a tested photocopy of the SYJC, First Year and Second Year mark-sheets and proof of residence (Aadhar Card)

Remarks: Students from other institutions will be required to submit their leaving /transfer Certificate /migration on Certificate. Those passing the Second Year from any other University have to submit the 'PROVISIONAL ELIGIBILITY CERTIFICATE' from University of Mumbai.

Final Eligibility Certificate is to be submitted by the end of first term.



2. Degree College (Self-financed Courses)

Eligibility Criteria

1. Bachelor of Arts in Multimedia and Mass Communication on - B.A. (M.M.C) (formerly BMM)

A candidate, for being eligible for admission to the degree course in Bachelor of Mass Media shall have passed XII std. examination of the Maharashtra Board of Higher Secondary Education or its equivalent, from the Science, Arts or Commerce streams.

2. Bachelor of Science (BSc) in Information Technology

(i) First Year Information Technology

Should have passed XIIth standard examination from Maharashtra Board or its equivalent with Mathematics and Statistics as one of the subjects and should have secured not less than 45% marks aggregate for open category, 40% marks in aggregate in case of reserved category candidate.

(ii) Second Year Information Technology

Should have passed Diploma (Three years after SSC or Xth standard in Information Technology/Computer Technology/Computer Engineering/ Computer Science/Electrical Electronics, Video Engineering and allied branches. Mechanical and allied branches / Civil and allied branches of Engineering are eligible for direct admission to the second year of the B.Sc. (I.T.) degree course.

OR

Candidates with post HSC –Diploma in Information Technology / Computer Technology / Computer Engineering / Computer Science / and allied branches will be eligible for direct admission to the second year of B.Sc.(IT).

Diploma should be recognized by the Board of Technical Education or any other recognized Govt. body. Minimum marks required: 45% aggregate for open category candidates and 40% aggregate for reserved category candidates.



3. Bachelor of Science(BSc) in Computer Science

Should have passed XII standard examination from Maharashtra Board or its equivalent with Science Stream and with Mathematics and Statistics as one of the subjects.

4. Bachelor of Science(BSc) in Biotechnology

Mathematics as one of the subjects at XII th Science. Provisional admission will be given if Mathematics is not part of the student with regard to eligibility of the subjects XII Science. If the student clears the Mathematics proficiency test.

5. Bachelor of Science(BSc) in Statistics(TYBSc Statistics-6 units)

A candidate can take admission to the third year B.Sc. degree course in Statistics if the student has statistics as one of the subjects in second year.

6. Five Years Integrated M.Sc. Degree Course in Bio-analytical Sciences

- A candidate for being eligible for admission to the first year Integrated M.Sc. degree course in Bio-analytical Sciences must have passed Standard XII after 10 + 02 schooling (or equivalent) examination from any recognized board in India with minimum of 50% marks for students belonging to general category and 45% marks for students belonging to Reserved Category in aggregate or equivalent grade with Science Subjects- PCB or PCMB.
- A candidate without mathematics [Standard XII after 10 + 02 schooling (or equivalent) examination] can become eligible for admission provided he/she undertakes a bridge course and submits the certificate to the university.
- A candidate can take admission to the fourth year Integrated M.Sc. degree course in Bio-analytical Sciences by keeping the term of the third year (Semester V and VI).

7. Bachelor of Management Studies (BMS)

A candidate, for being eligible for admission to the BMS degree course shall have passed HSC examination of the Maharashtra Board of Higher Secondary Education or its equivalent examination or Diploma in any Engineering branches with two years or three years duration after SSC, conducted by the Board of Technical Education, Maharashtra state or its equivalent examination by securing minimum 45% marks for general category (in one attempt) at the respective examination and minimum 40% marks for the reserved category (in one attempt).

The student needs to clear MAH-BBCA/BBA/BMS/BBM CET 2024 (Entrance Examination for Admission to Professional Courses in BCA/BBA/BMS/BBM through State Common Entrance Test Cell, Mumbai from the academic year 2024-25)



8. BCom Management Studies (BMS)

A candidate, for being eligible for admission to the Bachelor of Commerce (Management studies) degree course shall have passed XII std. examination of the Maharashtra Board of Higher Secondary Education or its equivalent and secured not less than 45% marks in aggregate at first attempt (40% in case of reserved category).

BMS-AICTE: Students are admitted through CAP based on entrance test conducted by State Common Entrance Test Cell, Maharashtra State.

9. Bachelor of Commerce (B.Com) in Accounting & Finance (BAF)

A candidate, for being eligible for admission to the Bachelor of Commerce (Accounting Finance) degree course shall have passed XII std. examination of the Maharashtra Board of Higher Secondary Education or its equivalent and secured not less than 45% marks in aggregate at first attempt (40% in case of reserved category).

10. Bachelor of Commerce (B.Com) in Banking & Insurance (BBI)

A candidate, for being eligible for admission to the Bachelor of Commerce (Banking & Insurance) degree course shall have passed XII std. examination of Maharashtra Board of Higher Secondary Education or its equivalent and secured not less than 45% marks in aggregate in and same sitting (40% in case reserved category).

11. Bachelor of Commerce (B.Com) in Financial Markets (BFM)

A candidate, for being eligible for admission to the Bachelor of Commerce (Financial Markets) degree course shall have passed XII std. examination of Maharashtra Board of Higher Secondary Education or its equivalent and secured not less than 45% marks in aggregate in and same sitting (40% in case reserved category).

NOTE:

In addition on to the documents specified as may be required from time to time for and in connection with the admission and/or confirmation of admission / eligibility / enrollment by the University of Mumbai, students should also submit an undertaking for regular attendance and good conduct.

1. Rules of eligibility and enrollment are as per University of Mumbai on their website www.mu.ac.in and are also available on college website www.gnkhalsa.edu.in. It is understood that the students seeking admission are completely aware of the rules, regulations/ordinances for admission and eligibility for the course that they have applied for.
2. Confirmation of admission is subject to fulfillment of eligibility and duly confirmed by the University of Mumbai.
3. Every candidate admitted to the Degree course in the constituent/ affiliated college, recognized institution, conducting the course, shall have to register himself / herself with the University.
4. The admission will be confirmed as per the merit list and as per the date and time specified.
5. The College will not be responsible for any lapse on part of the student with regard to eligibility.

University norms related to attendance – Please Check University website for the ordinance pertaining to the same



COURSES OFFERED: AIDED ARTS

(1)FYBA-DSC MODEL (DEPARTMENT SPECIFIC MODEL)

(i)SUBJECTS OFFERED

1) Students must choose any one of the below as the Major subject(Subject 1) at entry level.

2) Students must choose any one of the below as the Minor subject (Subject 2)at entry level.

Sr.No	Major Subject 1	Minor Subject 2(any one)						
1	Economics	Hindi	History	English	Philosophy	Marathi	Punjabi	Statistics
2	History	Economics	Hindi	English	Philosophy	Marathi	Punjabi	----
3	Philosophy	Economics	History	English	Marathi	Hindi	Punjabi	-----
4	English	Economics	History	Philosophy	Punjabi	-----	-----	-----
5	Hindi	Economics	History	Philosophy	Marathi	Punjabi	-----	-----
6	Marathi	Economics	History	Philosophy	Hindi	Punjabi	-----	-----

(ii)PROGRAM STRUCTURE

Sr. No.	CLASS	SEMESTER I	SEMESTER II
1	FYBA	1. Major Subject 2. Minor Subject 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction	1. Major Subject 2. Minor Subject 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Indian Knowledge System (IKS)
		Total credits=22	Total credits=22



(2)SYBA :

(i)SUBJECTS OFFERED

Major and minor as decided at entry level

(ii)PROGRAM STRUCTURE

Sr. No.	CLASS	SEMESTER III	SEMESTER IV
2	SYBA	1. Major Subject Paper I 2. Major Subject Paper II 3. Minor subject 4. Open Elective(OE) 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP	1. Major Subject Paper I 2. Major Subject Paper II 3. Minor subject 4. Open Elective(OE) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP
		Total credits=22	Total credits=22

(3) TYBA

SUBJECTS OFFERED

3	TYBA		Single Major Subject (Six Units) <ul style="list-style-type: none">• ENGLISHOR• MARATHIOR• HINDIOR• HISTORYOR• ECONOMICSOR• PHILOSOPHYOR• PUNJABI 3 UNITS & HISTORY 3 UNITSOR• PUNJABI 3 UNITS & PHILOSOPHY 3 UNITS
---	------	--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



COURSES OFFERED: AIDED SCIENCE

(1)FYBSc-DSC MODEL (DEPARTMENT SPECIFIC MODEL)

(i)SUBJECTS OFFERED

- 1) Students must choose any one of the below as the Subject- 1 at entry level.
- 2) Students must choose any one of the below as the Subject- 2 at entry level.

Sr.No	Subject 1	Subject 2(any one)				
1	Botany	Chemistry	Microbiology	Physics	Zoology	—
2	Chemistry	Botany	Microbiology	Physics	Zoology	—
3	Microbiology	Botany	Chemistry	Zoology	—	—
4	Physics	Botany	Chemistry	Zoology	Maths	Statistics
5	Zoology	Botany	Chemistry	Microbiology	Physics	—
6	Maths	Statistics	Physics	Economics	—	—
7	Statistics	Maths	Physics	Economics	—	—

ii)PROGRAM STRUCTURE

Sr. No.	CLASS	SEMESTER I	SEMESTER II
1	FYBSc	1.Major Subject 2.Minor Subject 3. Open Elective(OE) 4.Vocational Skill Course (VSC) 5.Skill Enhancement Course (SEC) 6.Ability Enhancement Course (AEC)-English 7.Value Education Course(VEC) 8.Co-curricular (CC)-Induction	1.Major Subject 2.Minor Subject 3. Open Elective(OE) 4.Vocational Skill Course (VSC) 5.Skill Enhancement Course (SEC) 6.Ability Enhancement Course (AEC)-English 7.Value Education Course (VEC) 8. Indian Knowledge System(IKS)
		Total credits=22	Total credits=22



(2)SYBSc

(i)SUBJECTS OFFERED

Major and minor as decided at entry level

Sr. No.	CLASS	SEMESTER III	SEMESTER IV
2	SYBSc	1.Major Subject Paper I 2.Major Subject Paper II 3.Minor Subject 4. Open Elective(OE) 5.Vocational Skill Course (VSC) 6.Ability Enhancement Course (AEC)-Modern Indian Language(Hindi/Marathi) 7.Co-curricular (CC) 8.OJT/FP/CEP/RP	1.Major Subject Paper I 2.Major Subject Paper II 3.Minor subject 4. Open Elective(OE) 5.Skill Enhancement Course (SEC) 6.Ability Enhancement Course (AEC) -Modern Indian Language(Hindi/Marathi) 7.Co-curricular (CC) 8.OJT/FP/CEP/RP
		Total credits=22	Total credits=22

(3)TYBSc SUBJECTS OFFERED

Sr. No.	CLASS	Compulsory Subjects	Subject Combination Offered
3	TYBSc	Major in Any One 1. Physics 2. Chemistry 3. Botany 4. Zoology 5. Microbiology 6. Mathematics 7. Statistics	Applied Component 1. Physics-Electronics Instrumentation 2. Chemistry - Drugs & Dyes 3. Botany - Horticulture 4. Zoology – Fishery Biology 5. Microbiology - Food Production & Processing 6. Mathematics - Computer Programming & SystemAnalysis 7. Statistics-Computer Applications



Basket of Open Electives

Sr. No.	Department	Name of the Open Elective (Semester – I)	Name of the Open Elective (Semester – II)
1	English	Technical Communication Skills in English – I	Soft Skills for Career Development in English
2	Hindi	Introduction of Hindi language and literature; Samanya Hindi bhasha aur Sahitya	Nature and environment in Hindi literature: Prakriti aur Paryavaran
3	History	Heritage Tourism in Mumbai	Evolution of Audio-Visual Media.
4	Economics	Indian Economy	Economics & Global Crisis
5	Marathi	Introduction to Marathi language with voice modulation- Marathi Bhasha Parichay ani Swar Niyaman	Study related Skill - Adhyan Vishayak Kaushalya
6	Philosophy	Effective arguments and decision making	Logic for competitive exams
7	BAMMC	Introduction to New Media	Fundamentals of Mass Communication
8	Commerce	Fundamentals of Banking	Fundamentals of Insurance
9	Commerce	Fundamentals of Investment	Business Startups
10	BAF	Personal Financial Planning	Portfolio Management
11	BBI	Fundamentals of Banking	Technology in Banking and Insurance
12	BFM	Overview of Financial Markets	International Finance
13	BMS	Entrepreneurship	Event management
14	Botany	Nature and Naturals	Urban Gardening
15	Chemistry	Applications of Chemistry in Everyday Life - 1	Applications of Chemistry in Everyday Life-2
16	Mathematics	Quantitative Aptitude -1	Quantitative Aptitude - 2
17	Microbiology	Microbes at work	Microbes in Public Health
18	Physics	Physics for all: Physics applied in daily life	Unconventional & renewable energy resources
19	Zoology	Amazing animals	Animal behavior
20	Biotechnology	Nutritional Science - I	Nutritional Science - II
21	Computer Science	Introduction to C Programming	Fundamentals of Web Designing
22	Information Technology	Introduction to Cyber Security	Introduction to Artificial Intelligence



Sr. No.	CLASS	SEMESTER I	SEMESTER II
1	FYBCom	1. Major Subject 2. Minor Subject 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction	1. Major Subject 2. Minor Subject 3. Open Elective (OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course (VEC) 8. Indian Knowledge System(IKS)

Sr. No.	CLASS	SEMESTER III	SEMESTER IV
2	SYBCom	1. Major Subject Paper I 2. Major Subject Paper II 3. Minor Subject 4. Open Elective(OE) 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)- Modern Indian Language (Hindi/Marathi) 7. Co-curricular (CC) 8. OJT/FP/CEP/RP	1. Major Subject Paper I 2. Major Subject Paper II 3. Minor subject 4. Open Elective(OE) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC) -Modern Indian Language (Hindi/Marathi) 7. Co-curricular (CC) 8. OJT/FP/CEP/RP

Sr. No.	CLASS	SEMESTER V	SEMESTER VI
3	TYBCom	1. FINANCIAL ACCOUNTING AND AUDITING VII-FINANCIAL ACCOUNTING 2. FINANCIAL ACCOUNTING AND AUDITING VIII-COST ACCOUNTING 3. BUSINESS ECONOMICS-V 4. COMMERCE-V 5. DIRECT AND INDIRECT TAXATION PAPER-I 6. INVESTMENT ANALYSIS & PORTFOLIO MANAGMENT PAPER-I OR 6. COMPUTER SYSTEM & APPLICATION PAPER-I	1. FINANCIAL ACCOUNTING AND AUDITING IX-FINANCIAL ACCOUNTING 2. FINANCIAL ACCOUNTING AND AUDITING X-COST ACCOUNTING 3. BUSINESS ECONOMICS-VI 4. COMMERCE-VI 5. DIRECT AND INDIRECT TAXATION PAPER-II 6. INVESTMENT ANALYSIS & PORTFOLIO MANAGEMENT PAPER-II OR COMPUTER SYSTEM & APPLICATION PAPER-II



COURSES OFFERED: SELF-FINANCED

1. BMM. nomenclature changed as B.A. in Multimedia and Mass Communication - BA(MMC)
2. BSc Information Technology
3. BSc Computer Science
4. BSc Biotechnology
5. TYBSc Statistics (6 units)
6. Five year Integrated MSc Degree Course in Bio-analytical Sciences
7. BMS.
8. BCom Management studies
9. BCom. Accounting and Finance
10. BCom. Banking & Insurance
11. BCom. Financial Markets

SELF-FINANCED COURSES

Sr. No.	CLASS	SUBJECTS Semester - I	SUBJECTS Semester - II
1	FYBA (MMC)	1. Major-Fundamentals of Mass Communication 2. Minor--Fundamentals of Marketing 3. OE-Introduction to new media technology 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction	1. Major-Media studies 2. Minor--Integrated Marketing Communications 3. OE-Social media marketing 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Indian Knowledge System (IKS)



2	SYBA (MMC)	<p align="center">Semester - III</p> <ol style="list-style-type: none"> 1. Major- Introduction to Journalism Paper-I 2. Major- Introduction to Advertising Paper II 3. Minor- Film Communication 4. Open Elective(OE) 4). Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP 	<p align="center">Semester - IV</p> <ol style="list-style-type: none"> 1. Major- Legal Aspects in Media Paper-I 2. Major- Campaign planning and Story boarding Paper II 3. Minor- Photography 4. Open Elective(OE) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP
3	TYBA (MMC)	<p align="center">Semester - V</p> <ol style="list-style-type: none"> 1. Copywriting 2. Media Planning and Buying 3. Consumer Behaviour 4. Brand Building 5. Advertising in Contemporary Society 6. AD Design 	<p align="center">Semester - VI</p> <ol style="list-style-type: none"> 1. Financial Management for Marketing and Advertising 2. Direct Marketing 3. Agency Management 4. Advertising and Marketing Research 5. Legal Environment and Advertising Ethics 6. Contemporary Issues 7. Digital Media
4	FYBSc IT	<p align="center">Semester - I</p> <ol style="list-style-type: none"> 1. Major--Programming Principles with C 2. Minor- Fundamentals of Database Management Systems 3. OE-Introduction to Cyber Security 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)- English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction 	<p align="center">Semester - II</p> <ol style="list-style-type: none"> 1. Major-Object Oriented Programming with C++ 2. Minor- Web Application Development 3. OE-Introduction to Artificial Intelligence 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Indian Knowledge System (IKS)



5	SYBSc IT	<p align="center">Semester - III</p> <p>1. Major-Python Programming 2. Major-Computer Network 3. Minor-Data Structure 4. OE- Introduction to Networking 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP</p>	<p align="center">Semester - IV</p> <p>1. Major-Core Java 2. Major-Computer Graphics and Animation 3. Minor-Introduction to Embedded System 4. OE-Introduction to Image Processing 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP</p>
6	TYBSc IT	<p align="center">Semester - V</p> <p>1. Software Project Management 2. Internet of Things 3. Advanced Web Programming 4. Artificial Intelligence OR Linux System Administration 5. Enterprise Java OR 5. Next Generation Technologies</p>	<p align="center">Semester - VI</p> <p>1. Software Quality Assurance 2. Security in Computing 3. Business Intelligence 4. Principles of Geographic Information Systems OR Enterprise Networking 5. IT Service Management OR 5. Cyber Laws</p>
7	FYBSc Computer Science	<p align="center">Semester - I</p> <p>1) Major -Digital Systems & Architecture 2) Minor-Fundamentals Of DBMS 3) OE-Introduction to Computer Programming (C mastermind) 4) Vocational Skill Course (VSC) 5) Skill Enhancement Course (SEC) 6) Ability Enhancement Course (AEC)-English 7) Value Education Course(VEC) 8) Co-curricular (CC)-Induction</p>	<p align="center">Semester - II</p> <p>1. Major-Design & Analysis of Algorithms 2. Minor-Introduction to OOPs using C++ 3. OE-Fundamentals of Web Designing 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)- English 7. Value Education Course(VEC) 8. Indian Knowledge System (IKS)</p>



8	SYBSc Computer Science	Semester - III 1. Major-Operating System 2. Major-Core Java 3. Minor-Web Technologies 4. OE- Scientific Programming-I 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP	Semester - IV 1. Major-Theory of Computation 2. Major-Web Programming with Java 3. Minor-Python Programming I 4. OE-Scientific Programming-II 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP
9	TYBSc Computer Science	Semester - V 1. Artificial Intelligence 2. Information and Network Security 3. Software Testing and Quality Assurance OR 4. Linux Server Administration 5. Architecting of IoT OR 5. Cyber Forensics 6. Operation Research 7. Project-I	Semester - VI 1. Data Science 2. Cloud Computing and Web Service 3. Wireless and Sensor Networks OR 4. Information Retrieval 5. Data Mining and Warehousing OR 5. Ethical Hacking 6. CRM OR 6. Cyber Law & IPR 7. Project-II
10	F.Y. B.Sc Biotechnology	Semester - I 1. Subject 1-Introduction to Biotechnology 2. Subject 2- Microbial techniques Basic Chemistry-II 3. OE-Nutritional science I 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course(AEC)-English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction	Semester - II 1. Subject 1-Tissue culture, Enzymology and Immunology 2. Subject 2-Fundamental Genetics 3. OE-Nutritional science-II 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course(AEC)-English 7. Value Education Course(VEC) 8. Indian Knowledge



11	S.Y. B.Sc Biotechnology	<p align="center">Semester - III</p> <ol style="list-style-type: none"> 1. Major-Immunology and Cytogenetics 2. Major-Molecular Biology and Cell Biology 3. Minor-Instrumentation and Applied Chemistry 4. Open Elective(OE) 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP 	<p align="center">Semester - IV</p> <ol style="list-style-type: none"> 1. Major-Medical microbiology 2. Major-Biochemistry, Biostatistics and Bioinformatics 3. Minor-Applied Chemistry and Instrumentation 4. OE-Human health and Diseases 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP
12	T.Y. B.Sc Biotechnology	<p align="center">Semester - V</p> <ol style="list-style-type: none"> 1. Cell Biology 2. Medical Microbiology and Instrumentation 3. Genomes and Molecular Biology 4. Marine and Industrial Biotechnology 5. Applied Component - Food Biotechnology and Bio-safety 	<p align="center">Semester - VI</p> <ol style="list-style-type: none"> 1. Biochemistry 2. Industrial Microbiology 3. Pharmacology and Neurochemistry 4. Environmental Biotechnology 5. Applied Component - Applied Biotechnology
13	TYBSc Statistics	<p align="center">Semester - V</p> <ol style="list-style-type: none"> 1. Probability and Distribution Theory 2. Theory of Estimation 3. Biostatistics 4. Regression Analysis Using R Software (Elective) 5. Statistical Data Analysis using Python (Elective) 6. Computer Programming & System Analysis (Applied Component) -I 	<p align="center">Semester - VI</p> <ol style="list-style-type: none"> 1. Distribution Theory And Stochastic Processes 2. Testing of Hypothesis 3. Operation Research Technique 4. Actuarial Science (Elective) 5. Introduction To Six Sigma (Elective) 6. Computer Programming & System Analysis (Applied Component)-II



14	F.Y.I.C Bio-analytical Sciences	Semester - I 1. Major Subject 1-Bioanalytical sciences 2. Major Subject 2-Pharmaceutical sciences 3. Major subject 3-Chemical Sciences I 4. Minor subject-Data sciences 5. EV-Personality development 6. AEC:Communication Skills in English	Semester - II 1. Major Subject 1-Bioanalytical sciences 2. Major Subject 2-Pharmaceutical sciences 3. Major subject 3-Chemical Sciences 4. Minor subject-Data sciences 5. EV-Personality development 6. AEC: Communication Skills in English
15	S.Y.I.C Bio-analytical Sciences	Semester - III 1. Financial management / Disaster Management 2. Biological Sciences III & IV 3. Chemical Sciences III & IV 4. Computational Sciences III & IV	Semester - IV 1. Financial management / Disaster Management 2. Biological Sciences III & IV 3. Chemical Sciences III & IV 4. Computational Sciences III & IV
16	T.Y.I.C Bio-analytical Sciences	Semester - V 1. Entrepreneurship skills (ACT) 2. Biological Sciences - V 3. Chemical Sciences - V& VI 4. Computational Sciences V	Semester - VI 1. Entrepreneurship skills (ACT) 2. Biological Sciences - V 3. Chemical Sciences - V& VI 4. Computational Sciences V
17	5Y Integrated PG	Semester - VII 1)Paper 1: Formulation development, Stability Studies, and QA/QC 2) Paper 2: Biopharmaceuticals and Omics 3)Paper 3: Toxicology(Elective) 4)Paper 4: Research Methodology	Semester - VIII 1)Paper 1: Bioanalysis in Food industry 2)Paper 2: Method Development,Validation, and Regulations in Bioanalytical research 3)Paper 3: Clinical Research(Elective) 4)Paper 4: On-Job-Training
18	5Y Integrated PG	Semester - IX 1. ASU and Food Management 2. Clinical Research and Good Practices 3. Research Methodology and Hyphenated Bio-analytical Techniques	Semester - X 1. ASU and Food Management 2. Clinical Research and Good Practices 3. Research Methodology and Hyphenated Bio-analytical Techniques



19	FYBMS- AICTE	<p align="center">Semester - I</p> <ol style="list-style-type: none"> 1. Major Subject Paper-I Principles and Practices of Management 2. Major Subject Paper-II Financial Accounting 3. Major Subject Paper-III Business Statistics and Logic 4. SEC-General English 5. Ability Enhancement Course(AEC)-Business Communication-I 6. Open Elective (OE)- Multi Disciplinary 7. Indian Knowledge System(IKS) 8. Value Education Course(VEC) - Environmental Science and sustainability 	<p align="center">Semester - II</p> <ol style="list-style-type: none"> 1. Major Subject Paper-I Human Behaviour and Organization 2. Major Subject Paper-II Marketing Management 3. Major Subject Paper-III Business Economics 4. SEC-Emerging Technologies and application 5. Ability Enhancement Course(AEC)- Business Communication-II 6. Open Elective (OE)- Multi Disciplinary 7. Indian Knowledge System(IKS) 8. Value Education Course(VEC) - Indian Constitution
20	SYBMS	<p align="center">Semester - III</p> <ol style="list-style-type: none"> 1. Major-Business Research Methods 2. Major-Introduction to Financial Accounting 3. Minor-E-Commerce & Digital Marketing 4. OE-Business Policy & Strategy 5. VSC-Legal Aspects in Business I 6. AEC-Hindi/Marathi 7. CC-Motivation and Leadership 8. Field Project Based on Management 	<p align="center">Semester - IV</p> <ol style="list-style-type: none"> 1) Major-Marketing Management 2) Major-Human Resource Management 3) Minor-E-commerce 4) OE-Strategic Analysis Models & Tools 5) SEC-Legal Aspects in Business II 6) VEC-Taxation II 7) CC-Corporate Communication & Public Relations 8) Community Engagement Project
21	TYBMS	<p align="center">Semester - V</p> <ol style="list-style-type: none"> 1. Logistics & Supply Chain Management 2. Corporate Communication & PR 3. Elective Group (Any one) <ul style="list-style-type: none"> 1. Finance <ul style="list-style-type: none"> • Investment Analysis & Portfolio Management • Wealth Management • Wealth Management • Direct Tax <p align="center">OR</p>	<p align="center">Semester - VI</p> <ol style="list-style-type: none"> 1. Operation Research 2. Project Work 3. Elective Group (Any One) <ul style="list-style-type: none"> 1. Finance <ul style="list-style-type: none"> • International Finance • Project Management • Strategic Financial Management • Indirect Tax <p align="center">OR</p>



21	TYBMS	<p>2. Marketing 1. Services Marketing 2. E-Commerce & Digital Marketing 3. Sales & Distribution Management 4. Customer Relationship Management</p> <p>OR</p> <p>3. Human Resource i) Finance for HR Professionals & Compensation Management ii) Strategic Human Resource Management & HR Policies iii) Performance Management & Career Planning iv) Industrial Relations</p>	<p>2. Marketing 1. Brand Management 2. Retail Management 3. International Marketing 4. Media Planning & Management</p> <p>OR</p> <p>3. Human Resource 1. HRM in Global Perspective 2. Organizational Development 3. HRM in Service Sector Management 4. Workforce Diversity</p>
22	FYBCom Management studies	<p>Semester - I</p> <p>1. Major-Fundamentals of Management 2. Minor-Business Environment 3. OE-Multidisciplinary 4. VSC-Office Management & Secretarial 5. Practice I 6. SEC-Introduction to Financial Accounts 7. AEC-Communication Skills in English 8. VEC-Corporate Social Responsibility 9. IKS-Business Ethics</p>	<p>Semester - II</p> <p>1. Major-Foundation of Human Skills 2. Minor-Micro Economics 3. OE-Multidisciplinary 4. VSC-Office Management 5. SEC-Introduction to Cost Accounting 6. AEC-Communication Skills in English 7. VEC-Environmental Management 8. OJT, FP, CEP, CC, RP</p>



23	FYBCom (Accounting & Finance)	Semester - I <ol style="list-style-type: none"> 1. Major-Financial Accounting (Elements of Financial Accounting) -I 2. Minor-Cost Accounting (Introduction and Element of Cost) - I 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction 	Semester - II <ol style="list-style-type: none"> 1. Major-Financial accounting-II (element of financial accounting) 2. Minor-Auditing-I(Introduction and Planning) 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Indian Knowledge System (IKS)
24	SYBCom (Accounting & Finance)	Semester - III <ol style="list-style-type: none"> 1. Major Subject 1-Financial Accounting paper III 2. Major Subject 2 -Cost and Management accounting 3. Minor- Direct Tax-I 4. Open Elective(OE) 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP 	Semester - IV <ol style="list-style-type: none"> 1. Major Subject 1-Financial Accounting paper III 2. Major Subject 2 -Cost and Management accounting 3. Minor- Direct Tax-I 4. Open Elective(OE) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP
25	TYBCom (Accounting & Finance)	Semester - V <ol style="list-style-type: none"> 1. Cost Accounting -III 2. Financial Management -II 3. Taxation - IV (Indirect Taxes -III) 4. Management - II (Management Applications) 5. Financial Accounting -V 6. Financial Accounting -VI 	Semester - VI <ol style="list-style-type: none"> 1. Cost Accounting -IV 2. Financial Management -III 3. Taxation - V (Indirect Taxes -III) 4. Economics - (Indian Economy) 5. Financial Accounting -VII 6. Project Work



26	FYBCom (Banking & Insurance)	Semester - I 1. Major-Environment and Management of Financial Services 2. Minor- Financial Accounting -I 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction	Semester - II 1. Major-Principles and Practices of Banking & Insurance 2. Minor- Financial Accounting -II 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Indian Knowledge System (IKS)
27	SYBCom (Banking & Insurance)	Semester - III 1. Major-Overview of Banking Sector 2. Major -Information Technology in Banking & Insurance-I 3. Minor- Cost & Management Accounting 4. Open Elective(OE) 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP	Semester - IV 1. Major-Overview of Insurance Sector 2. Major -II Information Technology in Insurance Sector-II 3. Minor- Customer Relationship Management 4. Open Elective(OE) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP
28	TYBCom (Banking & Insurance)	Semester - V 1. Auditing - I 2. Strategic Management 3. Financial Services Management 4. Business Ethics and Corporate Governance 5. International Banking and Finance 6. Research Methodology	Semester - VI 1. Auditing - II 2. Human Resource Management 3. Turnaround Management 4. International Business 5. Central Banking 6. Project Work in Banking & Insurance



29	FYBCom (Financial Markets)	Semester - I 1. Major-Introduction to Financial System 2. Minor-Financial Accounting 1 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction	Semester - II 1. Major-Innovative Financial Services 2. Minor-Financial Accounting II 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Indian Knowledge System (IKS)
30	SYBCom (Financial Markets)	Semester - III 1. Major-Commodity Markets 2. Major-Debt Market 3. Minor-Money Market 4. Open Elective(OE) 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP	Semester - IV 1. Major -Corporate Finance 2. Major - Foreign Exchange Market 3. Minor-Business Economics II 4. Open Elective(OE) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP
31	TYBCom (Financial Markets)	Semester - V 1. Marketing in Financial Services 2. Technical Analysis 3. Corporate Accounting 4. Direct Tax-Income Tax 5. Financial Derivatives 6. Business Ethics & Corporate Governance	Semester - VI 1. Venture Capital and Private Equity 2. Mutual Fund Management 3. Organization Behaviour 4. Indirect Tax-GST 5. Risk Management 6. Project Work



Post Graduate Programmes

M.A. / M.Sc / M.Com.

Qualifying Examination required: B.A. / B.Sc. / B.Com. of the University of Mumbai or any other recognized University. Eligibility criteria as per university norms

1. M.A.is offered in the following subjects

- Hindi

2. M.Sc. is offered in the following subjects:

1. Information Technology –Papers
2. Information Technology and Cyber Security –Papers
3. Computer Science –Papers
4. Big Data Analytics-Papers
5. Biotechnology – Papers
6. Bio-analytical Sciences – Paper & Research
7. Bioinformatics –Papers
8. Nutraceuticals –Papers
9. Physical Chemistry - Papers & Research
10. Inorganic Chemistry - Papers & Research
11. Organic Chemistry - Papers & Research
12. Analytical Chemistry - Papers & Research
13. Physics - Microprocessors & Computers-Papers & Research
14. Microbiology - Papers & Research
15. Botany – Papers
16. Zoology – Papers & Research

3. M.Com.

1. Advanced Accountancy By Paper
2. Business Management By Paper



Sr. No.	Class	Subjects	Subjects
1	M.A. Part - I Hindi	Semester - I 1. Paper I-हिन्दी साहित्य का इतिहास(History of Hindi Literature) 2. Paper II-काव्यशास्त्र और साहित्यालोचना(Poetics and Literary criticism) 3. Paper III- हिंदी भाषा एि भाषा विज्ञान(Language and Linguistics) 4. Paper IV- Literature Review (साहित्य समीक्षा) 5. Paper V-Research Methodology	Semester - II 1. Paper I-Title:हिन्दी साहित्य का इतिहास-आधुनिक काल(History of Hindi literature -Modern age) 2. Paper II-काव्यशास्त्र और साहित्यालोचना (Poetics and Literary criticism) 3. Paper III-Language and Linguistics हिंदी भाषा औ भाषा विज्ञान 4. Literature Review (साहित्य समीक्षा) 5. Paper V-On Job training
2	M.A. Part - II Hindi	Semester - III 1. Paper VI-Modern Hindi Prose (आधुनिक हिंदी गद्य) 2. Paper VII-Variou Discourse and Literature (विविध विमर्श) 3. Paper VIII-Special study – Yashpal / Jainendra (यशपाल / जैनेन्द्र) 4. Paper IX- Elective 1- Functional Hindi (प्रयोजनमूलक हिन्दी) Elective 2-Title: Literature and cinema (साहित्य और सिनेमा) 5) Paper X-On job training (OJT)/ Field project (FP)/Research project (RP)	Semester - IV 1. Paper VI-Modern Hindi Poetry (आधुनिक हिंदी कविता) 2. Paper VII-Folk Hindi Literature (लोक हिंदी साहित्य) 3. Paper VIII-Special study - Dharamveer and his Literature / Amrit laal Nagar 4) Paper IX- Elective 1-Translation In Hindi (अनुवाद सिद्धांत और प्रयोग) Elective 2-Hindi Drama and Hindi Theatre (हिन्दी नाटक और हिन्दी रंगमंच) 5) Paper X-On job training (OJT)/ Field project (FP)/Research project (RP)
3	MSc Part-I IT	Semester - I 1. Data Science 2. Soft Computing 3. Responsible and safe AI 4. Elective 1-Cloud Computing OR Elective 2- Wireless Sensor Networks 5. Research methodology	Semester - II 1. Big Data Analytics 2. Micro-services Architecture 3. Visual Analytics 4. Elective 1-Image Processing OR Elective 2- Modern Networking 5. On Job Training (OJT)



4	M.Sc. Part-II IT	Semester - III 1.Advanced Machine Learning 2.Cloud Management 3.Elective 1- Computer Vision Elective 2-Security Breaches and Countermeasures 4. Research project (RP)	Semester - IV 1.Blockchain 2.Natural Language Processing 3. Elective 1- Deep Learning Elective 2- Remote Sensing 4. Research project (RP)
5	M.Sc. Part-I Information & Cyber Security	Semester - I 1..Fundamentals of Cyber security 2.Linux system Administration 3.Free & Open Source Software 4. Elective 1-Fundamentals of networking OR Elective 2 –Information Security & cyber-Law 5. Research methodology	Semester - II 1. Big Data Analytics 2. Microservices Architecture 3. Cloud Computing & Security 4. Elective 1- Image Processing OR Elective 2 -Modern Networking 5. On Job Training (OJT)
6	M.Sc. Part-II Information & Cyber Security	Semester - III 1.Cyber Forensic Investigation 2.Security Operations Center 3.Elective 1- Information Systems Auditing Elective 2-Linux Security and Hardening 4. Research project (RP)	Semester - IV 1.Offensive Security using metasploit 2.Open Source Intelligence 3) Elective 1- Information Security Management Elective 2- Wireless Network Security 4. Research project (RP)



7	M.Sc. Part-I Computer Science	<p style="text-align: center;">Semester - I</p> <ol style="list-style-type: none"> 1. Algorithm for Optimization & Software Defined Networking 2. Applied Signal and Image Processing & Advanced Database Techniques 3. Compiler 4. Elective 1-Data science technologies- I OR Elective 2-Data warehousing and Data Mining 5. Research Methodology 	<p style="text-align: center;">Semester - II</p> <ol style="list-style-type: none"> 1. Applied Machine and Deep Learning & Natural Language Processing 2. Web Mining Embedded and IoT Technology 3. Web Data Analytics 4. Elective 1-Data science technologies – II OR Elective 2-Data Analysis and Data mining 5. On job training
8	M.Sc. Part-II Computer Science	<p style="text-align: center;">Semester - III</p> <ol style="list-style-type: none"> 1. Wireless Networking 2. Cyber Security and Risk 3. Elective 1-Advanced Computing (Web3 Technologies) OR Elective 2-Fuzzy Systems OR Elective 3-Bioinformatics and Computational Biology 4. Research Project 	<p style="text-align: center;">Semester - IV</p> <ol style="list-style-type: none"> 1. Robotics 2. Advanced Deep Learning 3. Elective 1-Trends in Cloud Computing OR Elective 2- Simulation and Modelling OR Elective 3-GIS and Remote sensing 4. Research Project
9	M.Sc. Part-I Big data Analytics	<p style="text-align: center;">Semester - I</p> <ol style="list-style-type: none"> 1. Statistical methods, Linear algebra and Computing for Data Science 2. Python for Data Analytics 3. Sports Analytics 4. Elective 1-Database Management OR Elective 2- Data or Data Analysis 5. Research Methodology 	<p style="text-align: center;">Semester - II</p> <ol style="list-style-type: none"> 1. Advance statistical methods with time series 2. Machine Learning 3. HR Analytics 4. Elective 1-Foundations of data science (programming for big data) OR Elective 2- Enabling Technologies for data science-I 5. On job training



10	M.Sc. Part-II Big data Analytics	Semester - III 1. NOSQL Databases 2. Data Analytics with R 3. Elective1-Operating systems and visualization OR Elective 2-Analytics of Things 4. Research Project	Semester - IV 1. Cloud Computing 2. Streaming data analytics 3. Elective 1-Domain Specific Predictive analytics OR Elective 2-Text, Web and Social Media Analytics 4. Research Project
11	M.Sc. Part-I Biotechnology	Semester - I 1. Biochemistry and Immunology-I 2. Biophysics and Molecular Biology 3. Advanced genomics and proteomics in health 4. Elective-Molecular Biology 5. Biochemical and Biophysical Techniques	Semester - II 1. Biochemistry and Immunology - II 2. Bioprocess Technology and Biosafety 3. Plant and Animal Tissue Culture 4. Elective-Advanced Biotechnology - II 5. On job Training
12	M.Sc.Part-II Biotechnology	Semester-III 1. Biostatistics 2. Medical microbiology 3. Elective-Advanced Biotechnology-III (Nanobiotechnology)/ 4. Research project	Semester-IV 1. GMO and environment 2. Bioinformatics 3. Elective-Advanced Biotechnology - IV (CLINICAL STUDIES) 4. Research project



13	M.Sc. Part-I Bio-analytical Sciences	Semester-I 1.Medicinal Systems and Drug Regulations 2.Bioanalytical techniques - I 3. Cellular metabolism 4.Elective 1-Drug Discovery and Development Elective 2- Environmental Sciences-I 5.Research methodology	Semester-II 1.Indian Pharmaceutical industry and Quality Management Systems. 2.Bioanalytical techniques - II 3.Cell culture techniques 4. Elective 1-Drug Discovery and Development-II Elective 2-Environmental Sciences-II 5.On Job Training (OJT)
14	M.Sc. Part-II Bio-analytical Sciences	Semester-III 1. Packaging in Pharma, IPR- I, Standardization and regulations of ASU drugs and Regulatory issues 2. Bioanalytical Techniques - III 3. Drug Discovery and Development - III 4. Research Project	Semester-IV 1. EDM, IPR - II, AMV & BMV, Regulatory Affairs of Drugs 1. Bioanalytical Techniques - IV 2. Drug Discovery and Development - IV 3. Research Project
15	M.Sc. Part-I Bioinformatics	Semester-I 1. Fundamental of Biology & Bioinformatics 2. Introduction to Programming Languages 3. Elective-Bioinformatics and Sequence Analysis 4. Research Methodology	Semester-II 1. Advance Biology & Structural Bioinformatics 2. Java Programming, Introduction to Linux and Machine Learning 3. Elective-Genomics & Proteomics in Bioinformatics, 4. On Job training



16	M.Sc. Part-II Bioinformatics	Semester-III 1. Biophysical techniques, IPR, Cheminformatics and Combinatorial chemistry 2. Python Programming language and Machine Learning in Bioinformatics 3. Immunoinformatic & Drug Designing 4. Research project (RP)	Semester-IV 1. Drug Discovery, Clinical trial & Mass Spectrometry 2. PERL and R Programming Language for bioinformatics 3. Molecular Docking, Simulation & QSAR 4. Research project (RP)
17	M.Sc. Part-I Nutraceutical	Semester-I 1. Basic Principle of Food Chemistry & Nutrition 2. Nutraceutical & Functional Food 3. Elective Food Safety Laws & Regulations 4. Research methodology	Semester-II 1. Food Microbiology & New Product Development 2. Clinical Dietetics & Nutrigenomics 3. Elective-Industrial Food Fermentation 4. On Job Training
18	M.Sc. Part-II Nutraceutical	Semester-III 1. Basic Principles of Food chemistry & Nutrition 2. Nutraceuticals & Functional Food 3. Food safety laws & regulations 4. Research Project	Semester-IV 1. Food microbiology & New product development 2. Clinical dietetics & nutrigenomics 3. Industrial Food fermentation 4. Research Project



19	M.Sc. Part- I Chemistry	Semester-I 1. Physical Chemistry and Inorganic Chemistry 2. Organic Chemistry and Analytical Chemistry 3. Thermodynamics and Bio-inorganic Chemistry 4. Elective-Chemistry of Selected Topics OR Pharmaceutical Analysis 5. Research Methodology	Semester – II 1. – Physical Chemistry and Inorganic Chemistry 2. Organic Chemistry and Analytical Chemistry 3. Aliphatic Nucleophilic Substitution and Analytical Chemistry 4. Elective-Spectroscopy OR Intellectual property rights & Cheminformatics 5. On Job training
20	M.Sc. Part-II Physical Chemistry	Semester-III Paper-I: Atomic structure, Polymers and Photochemistry Paper II : Nano Chemistry, Statistical Mechanics and Nuclear chemistry Paper III (Elective-I) : Environmental Chemistry Paper III (Elective-II): Advanced Instrumental Techniques Paper IV: Research Project	Semester-IV Paper-I: Polymers-II and Materials Chemistry Paper II : Symmetry and Spectroscopy Paper III (Elective-I) : CHEMISTRY IN EVERYDAY LIFE Paper III (Elective-II) : Spectroscopy and Green Chemistry Paper IV: Research Project
21	M.Sc. Part-II Inorganic Chemistry	Semester-III Paper-I: Solid state, Bio-Inorganic and Co-ordination Chemistry Paper II : Spectral Methods and Material Chemistry Paper III (Elective-I) : Environmental Chemistry Paper III (Elective-II): APPLIED CHEMISTRY-I Paper IV: Research Project	Semester-IV Paper-I: Properties of materials and Organometallic Compounds Paper II : Analytical Methods and Inorganic Ring compounds Paper III (Elective-I) : CHEMISTRY IN EVERYDAY LIFE Paper III (Elective-II) : APPLIED CHEMISTRY- II Paper IV: Research Project



22	M.Sc. Part-II Organic Chemistry	Semester-III Paper-I: THEORETICAL ORGANIC AND HETEROCYCLIC CHEMISTRY Paper II : ORGANIC AND BIOMOLECULAR CHEMISTRY Paper III (Elective-I) : Environmental Chemistry Paper III (Elective-II): Pharmaceutical Chemistry Paper IV: Research Project	Semester- IV Paper-I: FUNDAMENTAL ORGANIC CHEMISTRY Paper II : ADVANCEMENTS IN ORGANIC CHEMISTRY Paper III (Elective-I) : CHEMISTRY IN EVERYDAY LIFE Paper III (Elective-II) : BIOANALYTICAL CHEMISTRY AND FOOD ANALYSIS Paper IV: Research Project
23	M.Sc. Part-II Analytical Chemistry	Semester-III Paper-I: Chromatographic Techniques and Pharmaceutical Chemistry Paper II : Spectral and Electroanalytical Methods Paper III (Elective-I) : Environmental Chemistry Paper III (Elective-II): Bioanalytical Chemistry and Food analysis Paper IV: Research Project	Semester-IV Paper-I: Separation and Spectral Techniques Paper II : Modern Instrumental techniques and their applications Paper III (Elective-I) : CHEMISTRY IN EVERYDAY LIFE Paper III (Elective-II) : IPR and Cheminformatics Paper IV: Research Project
24	M.Sc. Part-I Physics	Semester-I 1. Mathematical Methods- I and Classical mechanics 2. Quantum Mechanics - I and Solid State Physics 3. Vacuum Techniques, Nuclear Detectors and Accelerators 4. Electronics I: Power supplies and communication systems 5. Research methodology	Semester-II 1. Mathematical Methods- I and Electrodynamics 2. Quantum Mechanics- II and Solid State devices 3. Materials Deposition Techniques and Fundamentals of Luminescence 4. Electronics-II : Microprocessors and microcontrollers 5. On Job training



25	M.Sc. Part-II Physics	Semester-III <ol style="list-style-type: none"> 1. Statistical Mechanics and Nuclear Physics 2. C++ Programming, Communication Interface and Memory devices 3. 8051 Microcontroller, PIC Microcontroller and IOT - I 4. Research project 	Semester-IV <ol style="list-style-type: none"> 1. Experimental Physics, Atomic and Molecular Physics 2. Python Programming and Embedded C 3. ARM7, VHDL and IOT - II 4. Research project
26	M.Sc. Part-I Microbiology	Semester-I <ol style="list-style-type: none"> 1. Cell Biology & Virology - I 2. Medical Microbiology & Immunology -I 3. Spectroscopic and Chromatographic Techniques 4. Elective-Food Microbiology 5. Research Methodology 	Semester-II <ol style="list-style-type: none"> 1. Microbial Biochemistry –I 2. Prokaryotic & Eukaryotic Genetics- I 3. Analytical techniques in Molecular Biology and Nanotechnology 4. Elective-Plant Tissue Culture & Animal Cell Culture 5. On Job Training
27	M.Sc Part-II Microbiology	Semester-III <ol style="list-style-type: none"> 1. Concepts in Viral Genetics, Cell Biology and Bioinformatics 2. Advances in Diagnostics and Therapeutics 3. Advances in Applied Microbiology 4. Research project (RP) 	Semester-IV <ol style="list-style-type: none"> 1. Biostatistics and Bacterial Biochemistry 2. Advances in Molecular Biology 3. Biotechnology, Bioethics and Bioentrepreneurship 4. Research project



28	M.Sc. Part-I BOTANY	Semester I 1. Cytology and Cytogenetics 2. Form and Function I 3. Hydroponics Technology 4. Plant Diversity 5. Research Methodology	Semester II 1. Plant Biotechnology and Molecular Biology 2. Form and Function II 3. Herbal Drug Technology 4. Plant Diversity II 5. On-Job Training/Field Projects
29	M.Sc. Part- II BOTANY	SEMESTER III 1. Bioanalytical techniques and Molecular Biology 2. Plant Biotechnology I 3. Good laboratory Practices 4. Research Project	SEMESTER IV 1. Molecular Biology 2. Plant Biotechnology II 3. Entrepreneurship management 4. Research Project
30	M.Sc. Part-I ZOOLOGY	Semester I 1. Basic Oceanography 2. Finfish and shellfish biology 3. Oceanographic instruments & ecotourism 4. Developmental Biology-I 5. Research Methodology	Semester II 1. Capture fisheries 2. Fish processing technology 3. Planktons and Nektons 4. Developmental Biology- II 5. On-Job Training/Field Projects



31	M.Sc. Part-II ZOOLOGY	Semester-III 1. Freshwater Aquaculture 2. Industrial fishery 3. Biotechnology and instrumentation I 4. Research Project (RP)	Semester-IV 1. Brackish and Marine water Aquaculture 2. Assorted topics of fishery 3. Biotechnology and instrumentation II 4. Research Project (RP)
32	M.Com Part-I Business Management, Advance Accountancy & E-Commerce	Semester-I 1. Strategic Management 2. Business Ethics 3. Export management 4. Elective-Economics for Business 5. Research methodology	Semester-II 1. Entrepreneurship management 2. Management of business relations 3. E-Commerce 4. Macro Economics concepts 5. On Job training/field project
33	M.Com Part-II Business Management	Semester-III 1. Organizational Behaviour 2. Marketing Strategies & Plans 3. Elective- Human Resource Management - 4. Advertising and Sales Management 5. Research Project	Semester-IV 1. Tourism Management 2. Retail Management 3. Elective-Modern Business Ecosystem and Corporate Laws 4. Intellectual Property Rights and Corporate World 5. Research Project



34	M.Com Part-II Advanced Accountancy	Semester-III 1. Advance Financial Accounting 2. Advance Cost Accounting 3. Elective-Direct Tax 4. 4) Advance Auditing Practises 5. Research Project	Semester-IV 1. Advance Financial Accounting-IV 2. Financial Management 3. Elective- Indirect Taxes 4. Recent trends in accounts and audit 5. Research Project
----	---------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

“The only person who is educated is the one who has learned how to learn ...and change.” – Carl Rogers



Ph.D. Programmes

1. Ph.D in English
2. Ph.D in Hindi
3. Ph.D in Marathi
4. Ph.D in History
5. Ph.D. in Commerce (Business Economics)
6. Ph.D in Applied Biology
7. Ph.D. in Bio-analytical Sciences
8. Ph.D in Botany
9. MSc by research and Ph.D. in Analytical Chemistry
10. MSc by research and Ph.D. in Chemistry (Organic/Inorganic/Physical)
11. MSc by research and Ph.D in Microbiology
12. MSc by research and Ph.D. in Physics
13. MSc by research and Ph.D in Zoology

**"The function of education is to teach one to think intensively and to think critically."
- Martin Luther King Jr.**



Admission Process / Eligibility Criteria

Junior college (Aided section)

50% of the seats in the aided section is reserved for Sikh minority, 5% reserved as management quota and 45% is through the government .

Senior college (Aided section)

35% seats reserved for Sikh minority, 15% reserved as management quota, 5% for women and handicapped students, 45% for open category.

Note:

1. In house students will be given preference in admission (Aided section)
2. Students who have a gap after 12th standard should submit gap certificates (affidavit) at the time of first year undergraduate admission.

Eligibility for Admissions :

A student who passes XIIth examination from Science stream can apply to B.Sc., B.A. and B.Com. But a student from Arts stream can apply only to B.A.

Students from Commerce stream can apply for B.Com and BA.

ARTS, SCIENCE / COMMERCE (BA/BSc/BCom)

The eligibility criteria for three/ four year courses B.A./B.Com/B.Sc. Arts/Commerce/Science are available at University of Mumbai Website www.mu.ac.in.



SELF FINANCING COURSES

Bachelor of Arts in Multimedia and Mass Communication (BAMMC)

Ordinance No.O.5205, Intake capacity : , Circular No. UG/279 of 2007, dated 16th June, 2007. A candidate for being eligible for admission to the degree course in Bachelor of Mass Media shall have passed XIIth Std. Examination Maharashtra Board of Higher Secondary Education or its equivalent from the Science, Arts or Commerce System.

Stream	Arts	Commerce	Science
Weightage	50%	25%	25%

Bachelor of Management Studies (B.M.S.)

Ordinance No.O.3941, Intake Capacity: Circular No. UG/80 of 2010, Dated 27th April, 2010

A Candidate for being eligible for admission to the B.M.S. Degree Course shall have passed H.S.C. Examination of the Maharashtra Board of Higher Secondary Education or its equivalent examination or Diploma in any Engineering branches with two years or three years duration after S.S.C, conducted by the Board of Technical Education, Maharashtra State or its equivalent examination by securing minimum 45% marks for general category (In one attempt) at the respective Examination and minimum 40% marks for the reserved category (In one attempt)

The admissions are purely based on merit duly following the reservation policy as per the norms of Government of Maharashtra. college stream wise separately and the merit list is to be displayed stream wise taking into account the reservation policy prescribed by the Government of Maharashtra.

Stream	Arts	Commerce	Science	Diploma in Engineering and other
Weightage	25%	45%	25%	5%



Bachelor of Commerce

(Accounting & Finance)

Ordinance No.O.5204, Intake Capacity: Circular No. UG/395 of 2004, dated 7th September, 2004.

A candidate for being eligible for admission to the Bachelor of Commerce (Accounting and Finance) degree course shall have passed XII std. Examination of the Maharashtra Board of Higher Secondary Education or its equivalent and secured not less than 45% marks in aggregate at first attempt (40% in case of reserved category).

(Banking & Insurance)

Ordinance No.O.5209, Intake Capacity: CircularNo. UG/489 of 2004, dated 17th November 2007.

A candidate for being eligible for admission to the Bachelor of Commerce (Banking and Insurance) degree course should have passed XII std. Examination of the Maharashtra State Board of Secondary and Higher Secondary Education, Pune, or its equivalent and secured not less than 45% marks in aggregate (40% in the case of reserved category candidates) at one and the same sitting.

Stream	Arts	Commerce	Science	Diploma in Engineering and other
Weightage	25%	45%	25%	5%

(Financial Market)

Ordinance No.O.5693, Duration: Intake Capacity: CircularNo. UG/211 of 2004, dated 18th May, 2007

A candidate for being eligible for admission to the Bachelor of Commerce (Financial markets) degree course shall have passed XII std. examination of the Maharashtra State Board of Secondary and Higher Secondary Education, or its equivalent and secured not less than 45% marks in aggregate (40% in the case of reserved category) at one and the same sitting.



Bachelor of Science (I.T.)

Ordinance No.O.5061, Intake Capacity: Circular No. UG/283 of 2007, dated 16th June, 2017.

(a) A candidate for being eligible for admission to the degree course of Bachelor of Science Information Technology, shall have passed XII standard examination of the Maharashtra Board of Higher Secondary Education or its equivalent with Mathematics and Statistics as one of the subjects.

(b) A candidate who have passed Diploma (Three years after S.S.C. or XII Std.) in Information Technology / Computer Technology / Computer Engineering / Computer Science / Electrical, Electronics and Video Engineering and Allied Branches / Mechanical and Allied Branches / Civil & Allied branches are eligible for direct admission to the Second Year of the B.Sc. (I.T.) degree course. However, the Diploma should be recognized by the Board of Technical Education or any other recognized Government Body.

(c) A candidate with post HSC - Diploma in Information Technology/ Computer Technology / Computer Science / and Allied branches will be eligible for direct admission to the Second Year of B.Sc.(IT) However, the diploma should be recognized by the Board of Technical Education or any other recognized Government Body.

Bachelor of Science (C.S.)

Ordinance No.O.5719, Duration:., Intake Capacity: CircularNo. UG/284 of 2007, dated 16th June, 2007.

A candidate for being eligible for admission to Bachelor of Science (B.Sc.) must have passed Higher Secondary School Certificate Examination (Std. XII) in Science stream conducted by the Maharashtra State Board of Secondary and Higher Secondary Education with Mathematics and Statistics as one of the subject or its equivalent.



B.Sc. (Bio - Technology)

Ordinance No.O.5108, Duration :, Intake Capacity : , CircularNo. UG/282 of 2007, dated 16th June, 2017.

A Candidate for being eligible for the admission degree of Bachelor of Science (B.Sc.) must have passed Higher Secondary School Certificate Examination (Std.XII) in Science conducted by the Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent in Science stream. Admission will be on merit, based on order of preference as follows : Aggregate Marks at H.S.C. or equivalent. Aggregate Marks in Science Group (Physics, Chemistry and Biology) Marks in Biology and Chemistry Marks in Biology.

A candidate who has not offered Mathematics and Statistics as one of the Subjects at H.S.C. (Std. XII) shall have to satisfactorily complete a course on Mathematics and Statistics (of 24 hours duration) during the academic year of First year B.Sc. in which he is admitted

"If a student, looks for higher values, he must observe self control."

– Aurobindo Ghosh



Five year integrated course

5 year integrated Degree course in MSc

Bioanalytical Sciences.

- A candidate for being eligible for admission to the first year Integrated M.Sc. degree course in Bio-analytical Sciences must have passed Standard XII after 10 + 02 schooling (or equivalent) examination from any recognized board in India with minimum of 50% marks for students belonging to general category and 45% marks for students belonging to Reserved Category in aggregate or equivalent grade with Science Subjects PCB or PCMB.
- A candidate without mathematics [Standard XII after 10 + 02 schooling (or equivalent) examination] can become eligible for admission provided he/she undertakes a bridge course and submits the certificate to the university.
- A candidate can take admission to the fourth year Integrated M.Sc. degree course in Bio-analytical Sciences by keeping the term of the third year (Semester V and VI).

Rules of Refund of Fees

Refund of Tuition, development and all other fees after cancellation of admission:

The candidates who have taken admission for graduate courses may request for refund of fees from the institute after applying in writing for cancellation of their admission to the course. The refund of fees as applicable shall be made on or before 30 days after the date of cancellation and thereafter.

A percentage of the fee for the course shall be refunded to the candidate after deducting charges as following:

	1	2	3	4	5	6
Deduction Charges	Prior to commencement of academic term and instruction of the Course	Upto 20 days after the commencement of academic term of the course	From 21 st day upto 50 th day after the commencement of academic term of the course	From 51at day upto 80 th day after the commencement of academic term of the course	From September 1 st to September 30 th	After September 30 th
	Rs. 500/- Lump sum	20% of the total amount of fees	30% of the total amount of fees	50% of the total amount of fees	60% of the total amount of fees	100% of the total amount of fees



Post Graduate Programmes

MA. / MSc / MCom.

Qualifying Examination required:

B.A. / B.Sc. / B.Com. of the University of Mumbai or any other recognized University.

Eligibility criteria as per university norms.

V) MSc. Bio- analytical Sciences:

M.Sc. Bio-analytical Sciences is a two-year interdisciplinary course affiliated to the University of Mumbai.

Eligibility: B.Sc. in any one of the following subjects: Chemistry, Botany, Zoology, Microbiology, Life Sciences, Biochemistry, Biotechnology and have offered Chemistry as one of the subjects till S.Y.B.Sc.(total 5 units) or equivalent. Minimum of 50 % marks in the entrance examination conducted by the college.

VI) MSc. Bioinformatics M.Sc. Bioinformatics:

Course is designed to bridge the gap and meet the demand of the pharmaceutical industry and research area through interdisciplinary training. This two year full time course affiliated to the University of. Mumbai.

Eligibility: B.Sc. 55% and above in any one of the following subjects: Chemistry, Botany, Zoology, Microbiology, Life Sciences, Biochemistry, Biotechnology, Physics, Environmental Science, Mathematics and statistics, Pharmacy, I.T and Computer Science. Minimum of 50 % marks in the entrance examination conducted by the department.

VII) MSc. Nutraceuticals:

two-year full-time course affiliated to University of Mumbai which has been introduced to provide trained manpower to the food and nutraceutical industry considering huge market opportunity.

Eligibility: B.Sc in Zoology, Botany, Microbiology, Life Sciences, Chemistry, Biochemistry, Biotechnology, or degree in Food & Nutrition, Pharmacy, Medical Science.

VIII) Five Year Integrated Course in M.Sc Bio-analytical Sciences:

Five years Integrated course (FYIC) in Bio-analytical Sciences is a program at par with engineering and pharmacy careers. FYIC is an innovative course designed by industry experts to provide solutions for the continuously evolving pharmaceutical and biotech industries.

Eligibility: Min 50% marks in H.SC Examination. PCMB combination is required.

Bridge Course in Mathematics will be conducted for those who are not opted for



New PhD Admission Regulations (As per NEP-2020 Guidelines)

- The UGC Council has approved the following new guidelines for PhD admissions under the National Education Policy (NEP)-2020:
 - PhD admissions will now primarily rely on the National Eligibility Test (NET).
 - NET qualifiers will be categorized into three categories starting from June 2024, based on their NET scores.
 - 1. Candidates will be eligible for:**
 - 2. Junior Research Fellowship (JRF)**
 - 3. Assistant Professorship**
 - 4. PhD Admission and Fellowship**
 - NET qualifiers must attend an interview for PhD admission as per UGC regulations 2022. The interview will be a mandatory step in the selection process.
 - Candidates qualified in GATE/SET/NET (JRF) examinations, or those holding a teacher fellowship from apex bodies such as CSIR, UGC, ICAR, ICMR, or DBT, will be eligible for PhD admissions.
 - Candidates who have completed an M.Phil. degree from the University of Mumbai, as per the UGC guidelines, are eligible for PhD admission.
 - Candidates who have completed an M.Phil. degree from any other recognized universities in India, as per the UGC guidelines, are also eligible for PhD admission.
 - M.Sc. research students who are willing to work under the same guide and on the same research topic are exempted from the PhD Entrance Test (PET).
- After online (Annexure I) application the photocopies of all the above documents and form should be submitted as hard copy in college office
- After scrutiny (for eligibility) by the Research Committee, the applications of eligible candidates will be forwarded to the Heads of department for conducting subject-wise interviews in March and September. The list of eligible candidates who are invited for interviews shall be displayed on the college website/ Departmental Notice Board. (Annexure II)
- The Heads of the Department shall constitute subject-wise interview committees to Interview the eligible candidates. The committee will consist of the following members, as per the UGC guidelines.



- a. Head/Principal/ Director as the Chairperson.
 - b. One/ Two Subject Experts (from the affiliated colleges /industry / Research institutes) who are Ph.D. holders in the discipline
 - c. One approved teacher not below the rank of Associate Professor from the reserved category of the concerned faculty. (Wherever applicable)
 - d. Recognized Research Guide/s from the concerned discipline.
- The list of the selected candidates shall be displayed on the Departmental notice board / College website and communicated to the qualified candidates

SCHEDULE OF Ph.D. INTERVIEW/ PRESENTATION:-

- The Ph.D. Interview/ Presentation will be conducted by various departments twice in a year i.e. in March and September.
- Heads of the respective department shall communicate the subject-wise vacancies of the Ph.D. seats to Research committee of the College office 7 days before the date of Interview / Presentation. All such subject-wise vacancies of Ph.D. seats will be published on the College website by the Research section and on Departmental Notice Board by head of the respective department.
- Applications in the prescribed format (available with the Research Section of College-on-College website) will be invited from interested candidates within 20 days from the date of notification on the College website.
- The list of successful candidates after the interview/ Presentation report must be submitted to Research committee, will be declared on the College website as well to the individuals within ten (10) days from the date of the Interview/ Presentation.

ALLOCATION OF SUPERVISOR (RESEARCH GUIDE):-

The allocation of the supervisor for a selected student shall be decided by the Selection committee of the interview in a formal manner depending on the number of students per faculty member, the available specialization among the faculty supervisors and the research interest of the student as indicated by the student during interview.

PROVISIONAL ADMISSION:- The successful candidates can take provisional admission by completing other formalities.



Under Graduate Intake Capacity

SR. NO.	NAME OF THE COURSE	INTAKE CAPACITY
1	F.Y.B.A.	240
2	F.Y.B.COM.	240
3	F.Y.B.SC.	460
4	F.Y.B.SC. COMPUTER SCIENCE	120
5	F.Y.B.SC. BIOTECHNOLOGY	70
6	F.Y.B.SC. 5 YEAR BIOANALYTICAL	60
7	F.Y.B.SC. (INFORMATION TECHNOLOGY)	120
8	BACHELOR OF MANAGEMENT STUDIES	120
9	BACHELOR OF COMMERCE (MANAGEMENT STUDIES)	120
10	BACHELOR OF MANAGEMENT STUDIES (AUTONOMOUS) APPROVED BY (AICTE)	120
11	F.Y. B.M.M.	120
12	F.Y.B.COM.UN-AIDED	120
13	F.Y.B.A.F.	120
14	F.Y.B.B.I.	60
15	F.Y.B.F.M.	60
16	M.A.PART I (HINDI)	60
17	M.COM.PART I E- COMMERCE	60
18	M.COM.PART I ADVANCE ACCOUNTANCY	80
19	M.COM.PART I BUSINESS MANAGEMENT	60
20	M.SC. I BOTANY	30
21	M.SC. I ZOOLOGY	30
22	M.SC. I MICROBIOLOGY	23
23	M.SC. I ANALYTICAL CHEMISTRY	30
24	M.SC. I ORGANIC CHEMISTRY	2
25	M.SC. I INORGANIC CHEMISTRY	5
26	M.SC.I PHYSICAL CHEMISTRY	3
27	M.SC.I PHYSICS	30
28	M.SC. I BIOTECHNOLOGY	40
29	M.SC. I BIOANALYTICAL	40
30	M.SC. I BIO INFORMATICS	40
31	M.SC. I NUTRACETICAL	60
32	M.SC. I 5 YEAR BIOANALYTICAL	60
33	M.SC.I.(INFORMATION TECHNOLOGY)	40
34	M.SC. I.COMPUTER SCIENCE	40
35	M.SC. I. INFORMATION AND CYBER SECURITY (IT)	40
36	M.SC. I.BIG DATA ANALYSIS (CS)	40



Intake Capacity M.SC. BY RESEARCH & PH.D. COURSE

SR. NO.	NAME OF THE COURSE	INTAKE CAPACITY
1	PH.D.ENGLISH	8
2	PH.D.HINDI	10
3	PH.D.MARATHI	10
4	PH.D.HISTORY	10
5	PH.D.COMMERCE (BUSINESS ECONOMICS)	8
6	PH.D.APPLIED BIOLOGY	10
7	PH.D. BIOANALYTICAL SCIENCE	25
8	M.SC. BY. RESEARCH & PH.D. BOTANY	18
9	M.SC. BY. RESEARCH & PH.D. ANALYTICAL CHEMISTRY	10
10	M.SC. BY. RESEARCH & PH.D. CHEMISTRY (ORGANIC & INORGANIC CHEMISTRY)	16
11	M.SC. BY. RESEARCH & PH.D. MICROBIOLOGY	8
12	PH.D. & M.SC. BY. RESEARCH PHYSICS	15
13	M.SC. BY. RESEARCH & PH.D.ZOOLOGY	15



FEES STRUCTURE JUNIOR COLLEGE

COURSE NAME	TOTAL
GIRLS AIDED	
XI SCIENCE	1800
XI SCIENCE ELECTRONICS	26800
XI SCIENCE COMP.SC	31800
XI SCIENCE SOCIOLOGY	5800
XI COMMERCE	1150
XI COMMERCE SP	5150
XI ARTS	1150
XI MCVC	1800
BOYS AIDED	
XI SCIENCE	2160
XI SCIENCE ELECTRONICS	27160
XI SCIENCE COMP.SC	32160
XI SCIENCE SOCIOLOGY	6160
XI COMMERCE	1440
XI COMMERCE SP	5440
XI ARTS	1440
XI MCVC	2170
GIRLS AIDED	TOTAL
XII SCIENCE	1830
XII SCIENCE SOC	1830
XII SCIENCE ELECTRONICS	26830
XII SCIENCE COMP.SC	26830
XII COMMERCE	1700
XII COMMERCE SP	5700
XII ARTS	1700
XII MCVC	2330
BOYS AIDED	
XII SCIENCE	2208
XII SCIENCE SOC.	2208
XII SCIENCE ELECTRONICS	27208
XII SCIENCE COMP.SC	27208
XII COMMERCE	2008
XII COMMERCE SP	6008
XII ARTS	2008
XII MCVC	2780
UNAIDED	
XI SCIENCE	25860
XI COMMERCE	30260
XI ARTS	20260
XII SCIENCE	25720
XII COMMERCE	30690
XII ARTS	20690



FEES STRUCTURE SENIOR COLLEGE

COURSE NAME	TOTAL
OPEN	
F.Y.B.A.	9960
F.Y.B.COM	9960
F.Y.B.SC.PCM	11610
S.YB.A.	8410
S.Y.B.COM	8410
S.Y.B.SC.PHY/CHE	10730
S.Y.B.SC.PHY / MAT	10430
S.Y.B.SC.CHE / BOT	11310
S.Y.B.SC.CHE / ZOO	11310
S.Y.B.SC.CHE / MICRO	10610
S.Y.B.SC.BOT / ZOO	11710
S.Y.B.SC.MATHS/ STA.	9310
T.YB.A.	8660
T.Y.B.COM	8660
T.Y.B.SC.PHYSICS	10760
T.Y.B.SC.CHEMISTRY	11060
T.Y.B.SC.BOTANY	11960
T.Y.B.SC.ZOOLOGY	11960
T.Y.B.SC.MICRO	10360
T.Y.B.SC.MATHS	10560



FEES STRUCTURE SELF-FINANCED SENIOR COLLEGE

SR. NO.	COURSE	TOTAL
1	F.Y.B.M.S	37410
2	F.Y.B.A.M.M.C.	36260
3	F.Y.B.B.I	31560
4	F.Y.B.A.F.	36910
5	F.Y.B.F.M.	30560
6	F.Y.I.T.	38010
7	F.Y.COMP.SC.	37310
8	F.Y.BIOTCH	39310
9	F.Y.I.C.	38310
10	F.Y.B.COM UNAIDED	28160
11	S.Y.B.M.S	35310
12	S.Y.B.A.M.M.C.	35310
13	S.Y.B.B.I	29810
14	S.Y.B.A.F.	35810
15	S.Y.B.F.M.	29810
16	S.Y.I.T.	38610
17	S.Y.COMP.SC.	37610
18	S.Y.BIOTCH	37410
19	S.Y.I.C.	37410
20	S.Y.B.COM UNAIDED	27610
21	T.Y.B.M.S	32060
22	T.Y.B.M.M.	32060
23	T.Y.B.B.I	26860
24	T.Y.B.A.F.	31860
25	T.Y.B.F.M.	26860
26	T.Y.I.T.	36860
27	T.Y.COMP.SC.	37660
28	T.Y.BIOTCH	37660
29	T.Y.I.C.	37660
30	T.Y.STATS	23760
31	T.Y.B.COM UNAIDED	25860



FEES STRUCTURE SENIOR COLLEGE

COURSE NAME	TOTAL
RES. CAT	
F.Y.B.A.	10560
F.Y.B.COM	10560
F.Y.B.SC.PCM	12210
S.Y.B.A.	6050
S.Y.B.COM.	6050
S.Y.B.SC.PHY/CHE	6570
S.Y.B.SC.PHY / MAT	6270
S.Y.B.SC.CHE / BOT	7150
S.Y.B.SC.CHE / ZOO	7150
S.Y.B.SC.CHE / MICRO	6450
S.Y.B.SC.BOT / ZOO	7550
S.Y.B.SC.MAT / STATS	6050
T.Y.B.A.	6320
T.Y.B.C.OM	6320
T.Y.B.SC.PHYSICS	6720
T.Y.B.SC.CHEMISTRY	7020
T.Y.B.SC.BOTANY	7920
T.Y.B.SC.ZOOLOGY	7920
T.Y.B.SC.MICRO	6320
T.Y.B.SC. MATHS	6320



FEES STRUCTURE POST GRADUATE

SR. NO	COURSE	TOTAL
1	MSC I CHEMISTRY ANALYTICAL	56405
2	MSC II CHEMISTRY ANALYTICAL	54930
3	MSC I BIO ANALYTICAL	58105
4	MSC II BIO ANALYTICAL	56630
5	MSC I NUTRACEUTICAL	57105
6	MSC II NUTRACEUTICAL	55630
7	MSC I BIOINFORMATICS	54105
8	MSC II BIOINFORMATICS	52630
9	MSC I FIVE YEAR INTEGRATED(FYIC)	52105
10	MSC II FIVE YEAR INTEGRATED(FYIC)	50630
11	MSC I ZOOLOGY/BOTANY UNAIDED	43405
12	MSC II ZOOLOGY/BOTANY UNAIDED	41930
13	MSC I PHYSICS UNAIDED	43405
14	MSC I COMPUTER SCIENCE	51905
15	MSC II COMPUTER SCIENCE	50430
16	MSC I IN BIG DATA ANALYTICS	75100
17	MSC II IN BIG DATA ANALYTICS	75350
18	MSC I INFORMATION & CYBER SECURITY	75100
19	MSC II INFORMATION & CYBER SECURITY	75350
20	MSC I INFORMATION TECHNOLOGY	51905
21	MSC II INFORMATION TECHNOLOGY	50430
22	MSC I BIOTECHNOLOGY	57405
23	MSC II BIOTECHNOLOGY	55930
24	MCOM - I	19825
25	MCOM - II	18950
26	MA - I	13405
27	MA - II	11930



Co-curricular and Extra-curricular courses / activities

Nature Club:

Credit courses, workshops, tree plantation, organizing exhibitions, Miniature garden (making, Hydroponics, Vertical garden designing and creating awareness relating to the environment are some of the activities organized by the club.



©sodmiseaniket



Department Associations:

The Department associations arrange credit courses, talks, seminars and competitions to spur an interest in their respective subjects and widen the perspective of the students.

Foreign Language Cell:

The College has a foreign language cell offering Basic, Intermediate and Advanced courses in German, French, Spanish, Chinese and Japanese languages for UG and PG students of the college and for outsiders also. After successful completion of the course students receive a certificate with eligible credit score.



एकता

अनुशासन

MAJOR EVENTS

Kargil Vijay Diwas: On July 26, NCC cadets paid tribute to Kargil War martyrs through wreath-laying and lamp lighting ceremonies.

76th Independence Day: Unfurled the tricolor, followed by cultural activities centered around "*Unity & Discipline.*"

EMPOWERING NATIONAL EVENTS

The Khalsa NCC unit takes part in various activities such as social work, training activities, conferences, annual training camps, national camps, etc. This year, the unit proudly conducted its activities in close coordination with 1 Maharashtra Battalion NCC Unit.



Puneet Sagar Abhiyan: NCC cadets undertake a cleanliness campaign at seashores, beaches, and water bodies to raise awareness about keeping them clean and plastic-free.

NCC Day: National Cadet Corps Day celebrated with a Guard of Honour for the principal, sports activities promoting unity and discipline, and recognition of talented achievers.



स्वयं से पहले आप

NOT ME BUT YOU

The enrolment is open to all students irrespective of their caste, creed and religion. Around 200 students enroll as volunteers in every academic year. NSS is a 2-Year activity based program in which Social service of 120 hours (First year) + 120 hours (Second year) + 1 NSS Residential camp is mandatory for the completion of this program. Undergraduate and Postgraduate students (F.Y. / S.Y. / First year PG) from any course can join the NSS program. The final year students are not allowed to register for the First year of NSS as it is a 2 year program.

"The best way to find yourself is to lose yourself in the service of others."

– Mahatma Gandhi

DEVELOPING THE PERSONALITY AND CHARACTER OF THE STUDENT

NSS Unit has been participating in this Scheme under the NSS Cell in University of Mumbai. NSS stands for "National Service Scheme" i.e. "Rashtriya Seva Yojana" which is mostly targeted on Social Service and Development of Rural and Slum areas. It is a Central Sector Scheme of Government of India, Ministry of Youth Affairs & Sports.

After the completion of 2 years of National Service Scheme, volunteers will get a National level certificate from the Govt. of India which is very valuable.



Volunteers get a benefit of Maximum 10 Grace marks in the respective academic year according to the "Ordinance 229 –A" after completion of 120 hours of Social service under NSS.



Natyaashraya

Students participate in several intercollegiate, state and national level competitions and have won many National and State level Awards. Credits are awarded to students who participate in Drama which includes attending workshops, backstage work, acting, writing ,etc. Under NEP the committee is offering extra curricular credit courses.



Anhad Naad

School Of Music

Hindustani Classical: Vocal & Instrumental Gurbani Kirtan based on Ragas.

In the academic year 2023-24, a Foundational Credit Course on Indian Classical Music and various musical instruments was introduced for the First year UG students under NEP. The students can earn credits upon completion of the courses offered.

Cultural Committee

The cultural committee encourages and trains students to take part in various intra and inter collegiate, intra and inter university cultural programmes and organizes different activities throughout the year.



Prospectus 2024 - 25

Guru Nanak Khalsa College of Arts, Science & Commerce
(Autonomous)

Nazrana



The intra-collegiate festival 'Nazrana' is held every year. Activities ranging from kavi sammelan, literary events, ad campaigns, fine arts to personality contests, Hobbex, traditional and talent parades to fashion shows and departmental fests are organized.



Scholarship / Freeship / Awards

Faculty sponsored scholarships

Jr. College

1. Ashwinder Kaur Memorial Scholarship - Highest marks XII Science
2. Mr. Jawadekar Scholarship - Highest marks in Chemistry in XII Science.
3. Prof. Waryam Singh Memorial Prize - Highest in Mathematics XII Science.

Sr. College

1. Scholarship instituted by the college- details available with the Registrar of the College.
2. Cash Awards by the Management to Meritorious University Rankers
3. Youth Leaders as Change Makers Fellowship - a collaborative initiative by Gunvati J Kapoor Medical Charitable Trust, PUKAR, and Khalsa College: Students are expected to participate in projects which are socially relevant and are paid for the work done for three weeks during the vacation.
4. Prof Kuldip Singh Memorial Scholarships
5. Budding Math Talent Award - Meritorious student of FYBSc Mathematics
6. Emerging Math Talent Award - Meritorious student of SYBSc Mathematics
7. Proven Math Talent Award - Meritorious Student of TYBSc Mathematics
8. Young Math Prodigy-Best Math Student Male and Female
9. Prof. Waryam Singh Memorial Special Prize - Highest marks in Mathematics TYBSc University examination and to the Best NCC cadet.
10. Freedom Fighter Late Raghbir Singh Manhas & Smt. Bhajan Kaur Manhas Scholarship to first rank holders of Self Finance Courses.
11. Tejinder Kaur Kalirai Benevolent fund for the first rank holder of TYBSc Microbiology and BioTechnology.
12. Dr.(Ms.) Sharda Rai Scholarship - Highest marks in Economics at the TYBA University Examination
13. (Ms.) S.A. Irani Scholarship (Economics) - Highest marks in Economics at the TYBA University Examination
14. Shaila Mehta Scholarship (Economics) - Highest marks in Economics at the TYBA University Examination.
15. Prof. Angelo Moses Award - Highest marks in Philosophy at the TYBA University Examination
16. Ms. Leena Kelkar Award - Highest Marks in Philosophy at the SYBA level.
17. Prof. Surendra Gavaskar Scholarship - (NSS)-for best male and female campers.
18. Jayshree Mishra & P. N. Mishra Award - Highest marks in FYBA/SYBA/TYBA Hindi
19. Dr.S.D.Mishra Award (Hindi) - for best performance in UG Hindi
20. Prof. A. M. Thomas benevolent fund was instituted by Dr. R. G. Krishnan in memory of his teacher to be awarded to a student securing the highest marks in XII SC and pursuing any field of medicine.
21. Bibi Sohan Devi Scholarship on merit cum means basis to girl students.
22. Smt. Brijeshwari Devi Rai Award for Best Girl Cadet (NCC)
23. Dr Tribhuvan Nath Rai Award for Best Boy Cadet (NCC)



Scholarships/Freeships

Applicable to the Aided Section

Note: The conditions may change according to the directives issued by the Government from time to time.

Sr.	Name of Scholarship / Freeship	Documents Required & other details.	Last date application
1.	Scholarship (SC / ST / OBC / SBC / NT / VJNT)	<p>Scholarship is applicable only up to 2nd boy child. (OBC/SBC/NT/VJNT) Xerox copy of attested documents required along with the form.</p> <ol style="list-style-type: none"> 1. Mark sheet of previous year.(Passed) 2. SSC marksheet 3. Fee Receipt (Original & Xerox) 4. Ration Card. 5. Caste Certificate (Only Maharashtra State) 6. ST Caste validity 7. Income Certificate of father's duly attested by Tahasildar only for the current financial year. (1st April to 31st March) Original certificate required. 8. Domicile Certificate 9. I-card 10. In case of death of parent death certificate is required. 11. Aadhar Card 12. Gap Certificate if applicable. 13. First page of Banks passbook with name, Address & Account no. (Add: Central Bank of India, CheedaMension Road, Opp. Wadala (E) 14. One Passport size Photo 	On or before 30th October



2.	Freeship (SC / ST / OBC / SBC / NT / VJNT)	<p>Freeship is applicable only upto 2nd boy child. (Those who are not eligible for Scholarship) (OBC/SBC/NT/VJNT)</p> <p>Xerox copy of attested documents required alongwith the form.</p> <ol style="list-style-type: none"> 1. Marksheet of previous year.(passed) 2. SSC marksheet 3. Fee Receipt (Original & Xerox) 4. Ration Card. 5. Caste Certificate (Only Maharashtra State) 6. ST Caste validity 7. Income Certificate of father's duly attested by Tahasildar only for the current financial year. (1st April to 31st March) Original certificate required. 8. Domicile Certificate 9. Non Creamy Layer Certificate for OBC/SBC/NT/VJNT (Income above Rs.1 Lac to Rs. 6 Lac only) 10. I-card 11. In case of death of parent death certificate is required. 12. Aadhar Card 13. Gap Certificate if applicable. 14. First page of Banks passbook with name, Address & Account no. (Add: Central Bank of India, Cheda Mension Road, Opp. Wadala(E) 15. One Passport size Photo 	<p>On or before 30th October</p>
3.	Economically Backward Class	<p>Photocopy of attested documents alongwith the form:</p> <ol style="list-style-type: none"> 1. Marklist of the previous year.(passed) 2. Fee Receipt (Original & Xerox) 3. Ration Card, AadharCard 4. Income Certificate of father's duly attested by Tahasildar, Income limit up to Rs. 6,00,000/- per annum only for the academic/financial year (Current year) 5. Domicile Certificate 6. I-card <p>Students are required to visit website www.scholarships.gov.in to fill the application form</p>	<p>On or before 30th October</p>

"Education is Passport to the future, for tomorrow belongs to those who prepare for it today."

– Malcolm X





Addendum

Career guidance cell

The career guidance cell provides significant academic and career related information and prepares students to meet their future challenges. The students are guided with specific inputs regarding their professional choices which are mapped and aligned with their passions and interests. The Guidance Cell nurtures students to fulfill their career goals and thus serve as a bridge between their academic experience and employability accomplishment.

Festivals

The intra-collegiate festival 'Nazrana' is held every year. Activities ranging from kavi sammelan, literary events, ad campaigns, fine arts to personality contests, Hobbex, traditional and talent parades to fashion shows and departmental fests are organized.

Parent Teacher Association

The Association fosters and promotes good relationships among the members of the teaching staff, students and parents/guardians of the students to create a keen interest for the smooth working of the college and for maintaining good discipline and high academic standards.

Alumni Association

The Alumni Association enables ex-students of the College to strengthen their ties with their alma mater. Besides, it enables the College and fresh graduates from the college to avail help of past alumni who are well placed in life. Third year students prior to leaving the college may secure life membership to the Association.

Doctor's Panel

The College has a doctor's panel for consultation or call during any medical emergency. First aid kits are kept in the College office and various laboratories.

Suggestion Box / Complaint Box

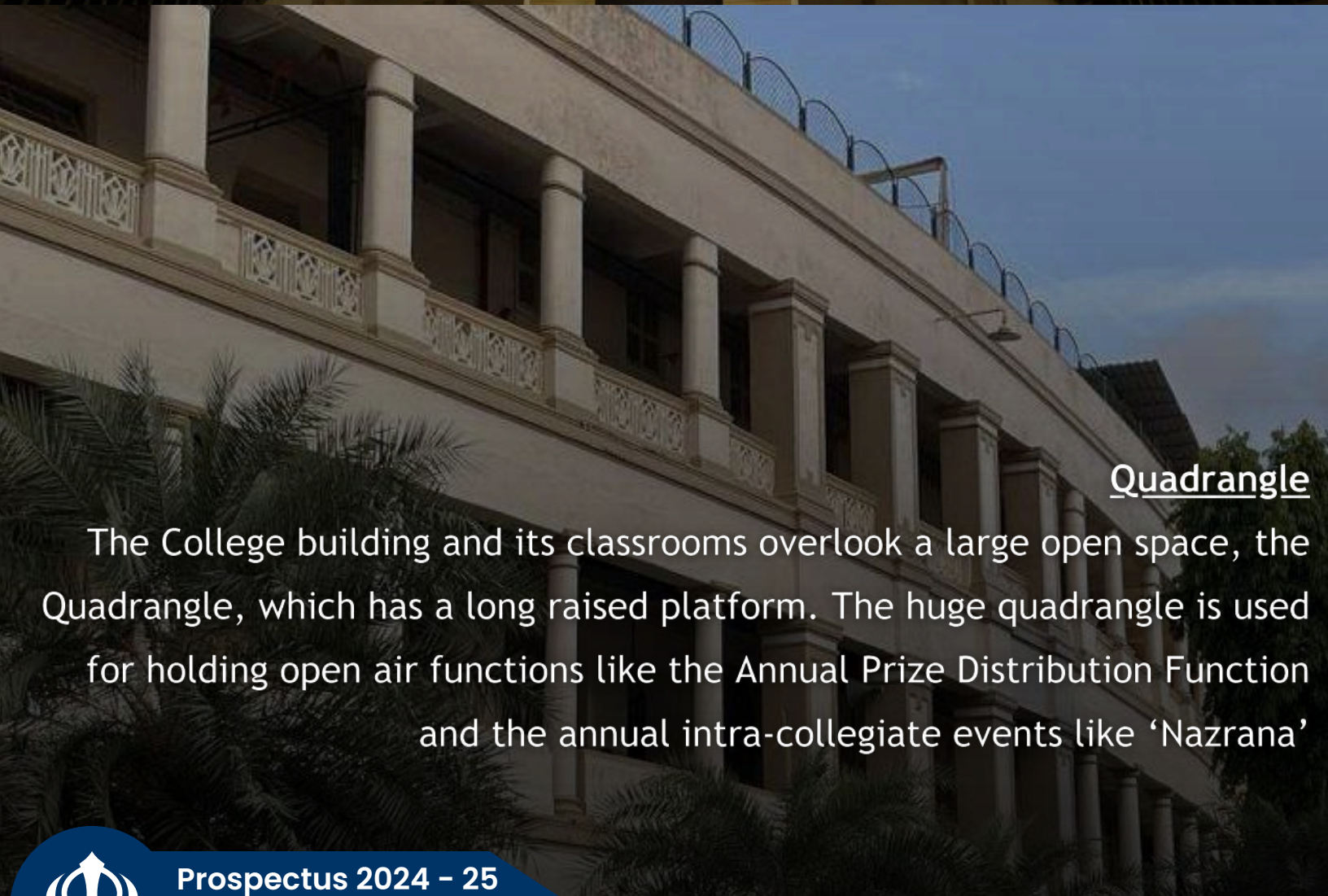
A suggestion box / complaint box is provided on every floor for queries and recommendations.

"We want that education by which character is formed, strength of mind is increased, the intellect is expanded, and by which one can stand on one's own feet"
– Swami Vivekananda



Facilities

The College has sprawling structure: the main building and the Annexe building, linked by the Library section and segregated by lawns and open spaces. The College has one the largest playgrounds amongst the Colleges of Mumbai; conforming to the international standards; admeasuring 102 m X 144 m, with a running track spanning 265 meters.



Quadrangle

The College building and its classrooms overlook a large open space, the Quadrangle, which has a long raised platform. The huge quadrangle is used for holding open air functions like the Annual Prize Distribution Function and the annual intra-collegiate events like ‘Nazrana’





Gurudwara

The in-house Gurudwara is significantly located at the apex level of the main building and blesses the college with an aura of religiosity and spirituality. We invoke the blessing of the Almighty at the beginning of every academic year through the recital of 'Akhand Path'. All students partake in the 'Guru Ka langar' which follows, and this helps create a sense of harmony among the students.



Ladies Common Room (LCR)

The LCR is a spacious area with well ventilated rooms, furnished with ample seating arrangement and other amenities for indoor games like chess and carrom. A separate canteen facility is available. A lady attendant is also available for assistance.



Washrooms and purified drinking water is available on each floor.



Canteen

A well-spread out area, the college canteen provides a varied, wholesome, hygienic, palatable and subsidized-rate food for the staff and students.



FULLY-EQUIPPED LABS

Our college is known for its air conditioned ICT labs that are well-equipped with projectors and desktops to facilitate digital learning. However, what sets us apart from other institutions is our inspiring, approachable teaching faculty and helpful, attentive staff who are ever-ready to guide and assist students.



ICT-ENABLED CLASSROOMS

Seamless internet connectivity makes teaching-learning fun and engaging at Khalsa College. Most of our classrooms are equipped with projectors and white screens facilitating use of digital technology to aid teaching and learning. Including mediums such as movies, visual art, and presentations makes the classroom an enriching space for discussion and digestion of ideas.





Laboratories

The College has spacious laboratories for practicals in Physics, Chemistry, Zoology, Botany, Microbiology, Electronics and Biotechnology. There are separate laboratories for post-graduate students.

All laboratories are well-equipped and well-maintained. The M.Sc. Physics Laboratory (for Electronics) and Chemistry departments have highly sophisticated instruments, some of which have been especially imported.

State of art Computer Labs are available for the students.

Dilip Kumar Auditorium

The College Hall also known as Dilip Kumar Auditorium is an Amphitheatre for budding talent. Having a proper stage with a green room facility, the College Hall has a 500 plus seating capacity. Apart from being the venue for formal functions, the hall is also used for events like drama competitions, literary events, kavi sammelan, mehfil and other artistic pursuits.



Gymkhana

The College has a well-equipped Gymkhana (measuring 14m X 13m.) sponsored by Mr. Salman Khan, It is adequately furnished for regular weight training activity, table tennis, carom and chess. (There are changing rooms for the players and athletes.)

Shooting range: 25 meters long state of art shooting range is available in the college.

Playground

The College Ground has an international size hockey field, football practice arena, Volleyball court, Basketball court, Handball court, 265 Meters running track, Long & High jump pit, Shotput and Discus throw section, Cricket net practice area.

For a number of years, the University of Mumbai's annual inter-collegiate Hockey tournament for both men and women has been hosted by Khalsa College. Also, the Mumbai University hockey teams (men and women) have their coaching camps on the College ground, before they proceed to participate in the Inter-University championships.



Khalsa prides itself as one of the best Colleges of Mumbai University in the sports arena. The Khalsa management has been providing unstinted support to its budding sportsperson so as to enable them to realize their sports potential. The sports Roll of Honour includes sports persons who have made a mark in Asian Games and Olympics. They have been honored with Padmashree, Arjuna Award, Shiv Chhatrapati Award, etc. For the last several years, the College has been the reigning champion team in hockey. The College participates in various sport activities of International level, National level, University level, Zonal, Inter zonal all india level, and Khelo India University level.

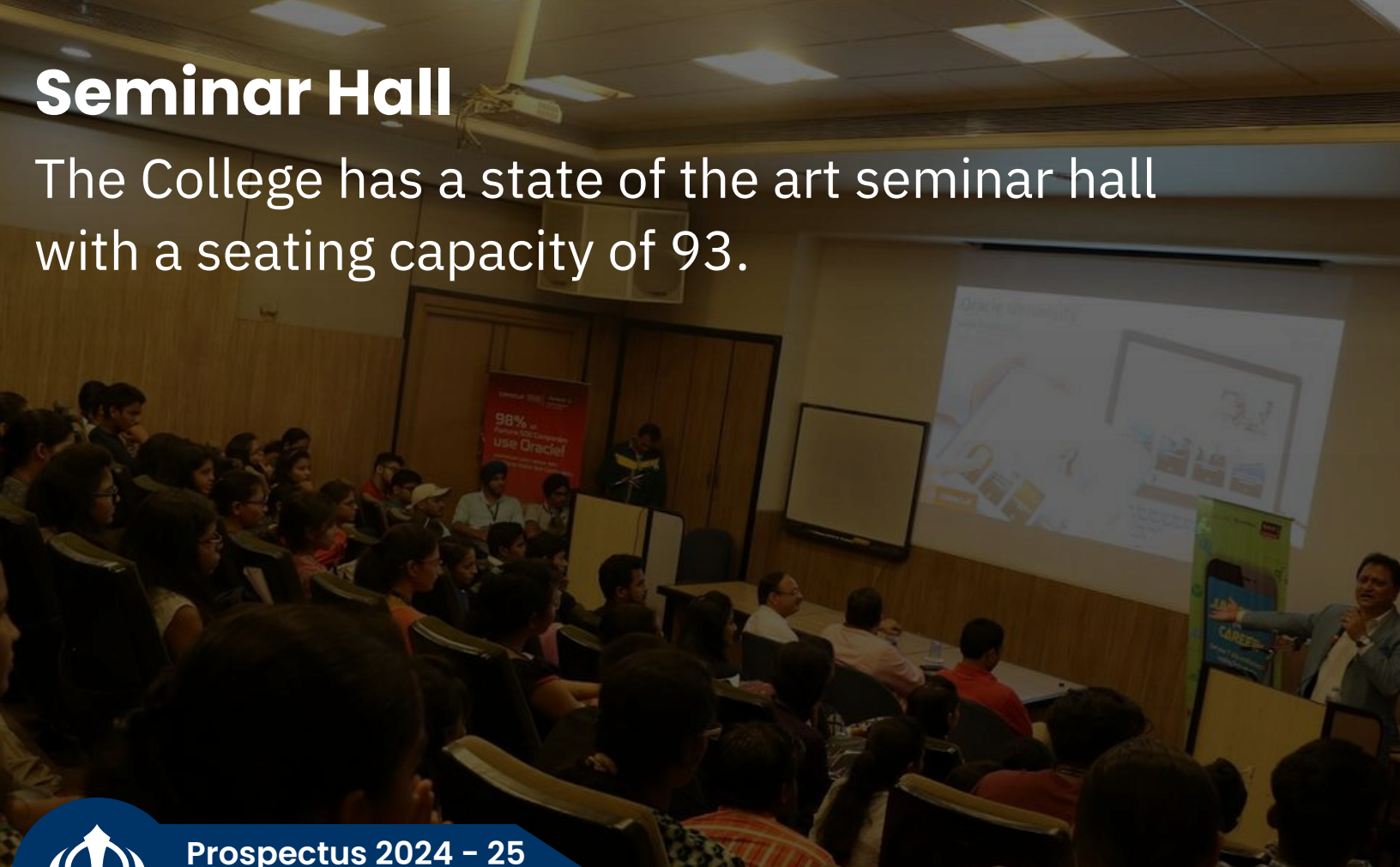
The achievers receive medals and certificates and under NEP students can acquire credit points.





Multipurpose Hall

Khalsa Banquet Hall Mumbai Matunga features a well-designed and generously sized banquet hall that can comfortably accommodate approximately 750 guests.



Seminar Hall

The College has a state of the art seminar hall with a seating capacity of 93.



Library

The availability of books in the library can be checked online through URL <http://114.168.60.116/w27>

The College Library, established in 1937, houses a rich collection of around one lakh books and periodicals across various subjects, including History, Philosophy, Languages, Social Sciences, Humanities, and Basic and Applied Sciences. Spanning 900 square meters, it includes a reading room, research space, foreign language cell, and information center. The 2023 addition of the Sagar Sarhadi Gallery features books by S. Sagar Sarhadi. The library offers modern services, including access to over 6,000 e-journals and 7,99,500 e-books.



For various college forms
scan here



For further information regarding notices and
circulars, please visit the college website
www.gnkhalsa.edu.in

Or

University of Mumbai website www.mu.ac.in

Members Prospectus Committee

Ms Latha Mohanan (Maths Dept)

Dr Harmeet Kohli (Chemistry Dept)

Dr Gopa Sarma (Botany Dept)

Ms Sunita Rai (CS Dept)

Dr Shubha Mukherjee – Convenor (English Dept)

Nathalal Parekh Marg, Matunga East, Mumbai - 400 019, Maharashtra, India.

Tel.: +91-22-2409 6234 | Fax: +91-22-2401 6815 | Website: www.gnkhalsa.edu.in